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# Audubon Field Notes

Published by the National Audubon Society in Collaboration with the U. S. Fish & Wildlife Service

## 52nd CHRISTMAS BIRD COUNT

Volume 6, No. 2 one dollar per copy April 1952

**LAUREL REYNOLDS**

*Her preparation for her present career as wildlife photographer and nationwide lecturer was unintentional. Her reputation just grew along with the excellence of her originally avocational work. A Californian since her childhood, Laurel Reynolds now lives in Piedmont with her two children and physician-husband whose hobby has always been bird study. A contributor to the Audubon Magazine and for years editor of the Pacific Audubon magazine, The Gull, Mrs. Reynolds has also produced several well-known color motion pictures on scenery and wildlife in most of the United States.*

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# Audubon FIELD NOTES

Vol. 6, No. 2

PUBLISHED BY THE NATIONAL AUDUBON SOCIETY

*In Collaboration With the United States Fish and Wildlife Service*

*A bimonthly magazine devoted to reporting the distribution, migration and abundance of birds*

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Cover Photograph of Red-winged Blackbird by Allan D. Cruickshank.

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# Fifty-Second Christmas Bird Count

THE EVER INCREASING popularity of the Christmas Bird Count is reflected in the steady rise in number of participants and the continued improvement in quality of the published counts. A glance at the table below will show the unmistakable trend which has taken place since the wartime low of 1942. The number of reports submitted this year was 470, but space limitations made it necessary to keep the number of published counts about the same as last year. The observers whose reports appear in this issue spent about 13,700 party-hours afield, and covered a linear distance of some 46,300 party-miles (9700 miles on foot). The unpublished reports would have raised the totals to 5426 observers, 14,400 party-hours, and 49,500 party-miles (10,400 of which were traversed on foot). Dozens of other reports are published in various forms each year in a number of local periodicals.

| Year | Reports Printed | Total Individuals | Total Observers | No. with 100 Sp. | Largest No. of Species | |
|---|---|---|---|---|---|---|
| 1940 | 299 | 2,000,000 | 2200 | 12 | 132 | Harlingen |
| 1941 | 307 | 4,000,000 | 2400 | 11 | 123 | Charleston |
| 1942 | 250 | 3,600,000 | 1620 | 5 | 124 | " |
| 1943 | 265 | 2,600,000 | 1840 | 7 | 127 | " |
| 1944 | 262 | 5,500,000 | 2120 | 7 | 132 | Los Angeles |
| 1945 | 288 | 3,100,000 | 2300 | 7 | 136 | " |
| 1946 | 316 | 1,900,000 | 3140 | 15 | 151 | " |
| 1947 | 314 | 5,600,000 | 3470 | 18 | 163 | Harlingen |
| 1948 | 357 | 8,800,000 | 3670 | 21 | 146 | " |
| 1949 | 403 | 8,600,000 | 4615 | 28 | 151 | " |
| 1950 | 432 | 6,500,000 | 4875 | 32 | 172 | " |
| 1951 | 433 | 7,500,000 | 5151 | 38 | 150 | Los Angeles |

The number of individuals reported was the third highest on record. It should be pointed out once more that this figure depends primarily on the coverage of a very few strategic concentration points, and does not reflect the relative abundance of birds within our area. The Red-winged Blackbird alone made up more than 40 per cent of the total individual birds tallied this season. The observers at Reelfoot Lake, Tenn., estimated 2,040,000 of this species, and over a million more were recorded by other enumerators. Six hundred fifty thousand Red-wings and 100,000 Purple Grackles contributed to a high count of individuals at Susquehanna Flats, Md., as did 125,000 Red-wings at Middletown, Del. The only waterfowl concentrations to surpass 100,000 of a single species were 500,000 Common Eiders off Monomoy Point, Mass., 112,671 Pintails at Laguna Atascosa Refuge, Tex., and 107,537 Pintails at Glenolden, Pa.

**Variety.**—Top honors for the greatest number of species this year go to Los Angeles, where 106 observers, handicapped by flood and mud, identified 150 species. Wilmington, N. C., took second place again with 141, and St. Marks, Fla., made an excellent showing with 140. Other areas to reach 125 or more were Laguna Atascosa Refuge, Tex., with 133; Audubon, Fla., with 128; and Rockport, Tex., with 125.

Eight areas broke three figures for the first time: Audubon, Fla. (new), 128; Orange County (central and coastal), Calif., 105; Daytona Beach, Fla., 105; Bronx-Westchester Region, N. Y., 103; Barnegat, N. J., 103; Southern Dorchester County, Md., 102; Titusville, Fla. (new), 102; and Sacramento, 100.

Other totals which broke previous regional records, or represented exceptionally fine coverage for their respective areas included: Cape May, N. J., 123; Newport County, R. I., 113; Salt Lake City, Utah, 90; Glenolden, Pa., 87; Newburyport, Mass., 85; Louisville, Ky., 83; Boonton, N. J., 79; Oklahoma City, 79; Huntington, W. Va., 74; Kansas City, Mo.-Kans., 70; Toronto, Ont., 68; Rochester, N. Y., 67; Denver, Colo., 67; Hartford, Conn., 66; Milwaukee, Wis., 61; Northampton, Mass., 50; Madison, Wis., 49; Brunswick, Me., 47; Billings, Mont., 39; Lewiston, Idaho, 30; and Bismarck, N. Dak., 28.

Fred W. Behrend established a record which we can hope will not be broken for many years. In nine hours of hiking at high altitudes on Roan Mountain and Grassy Bald Mountain on the Tennessee-North Carolina line he recorded only 32 *individuals*. Dubious honors for reporting the lowest number of species, 6, go to Richard Ryan who spent a seasick day off the Long Island coast in fog and rain. Tied for second place are observers at College, Alaska, and Bluff, Utah, with 7 species each. The Alaska people appropriately expressed the solar illumination in terms of foot-candles (maximum 25!). The Utah party spent all but 5 per cent of their time in open, rocky, snow-covered desert with no cover, and in barren, rocky canyons.

**General trends.**—Over most of the United States and southern Canada there was a general drop in the number of species reported. The only widespread exceptions were along the Atlantic and Pacific coasts. The origin of this condition may be traced back to the first week of November, when one of the most severe and widespread cold waves on record for that time of the year overspread most of the United States. Sub-zero temperatures occurred in 13 states, and freezing weather engulfed all but the western, southern and eastern fringes of the nation. When such a long and severe cold snap comes during a period when most migratory birds are physiologically in condition to migrate, the obvious effect is to send these birds scurrying southward to their wintering grounds. No amount of warm weather later in the autumn will cause the stragglers to move northward again. In many of the more intensively covered Christmas Count areas it is the stragglers of half-hardy species that make most of the difference between a poor Christmas list and a good one.

The month of December was colder than normal from the Great Lakes to the Pacific Coast, but slightly

warmer than usual in the South and East. Heavy snows fell in the North Central States just prior to the Count period, while the South experienced very heavy rain. The opening day of the Count was favored with good weather over practically the entire area, and except for severe cold in Montana and the Dakotas, Sunday followed suit. Moderate to heavy precipitation occurred over most of the United States and southern Canada during the ensuing week, and temperatures remained near or above normal over all but the far Northwest. The final weekend, Dec. 29-30, brought heavy rains to the West Coast (especially Los Angeles), high winds to the Northwest, warm, pleasant weather to the South, and persistent fog on Sunday to the Middle Atlantic and New England States.

The spectacular invasion of Evening Grosbeaks into the eastern states and provinces was well documented by the 1951 Counts. In the previous year this species was found at 14 localities in 7 states east of the Mississippi River, and at 20 localities representing 11 states in the West. None were reported from Canada. This season, Evening Grosbeaks were noted on 101 counts in 22 states and provinces east of the Mississippi River, and on 13 counts in 7 western states. The total number recorded was 4671 this year as compared to 527 last year. The southernmost localities this season were San Jose and Yosemite, Calif., El Paso and Big Bend, Tex., Louisville, Ky., Great Smoky Mountains National Park, Tenn.-N.C., and Warren, Va. The greatest concentration appeared to be in Massachusetts, with an average number of 128 per list. Next followed Maine, Vermont, Rhode Island, New Hampshire, Connecticut and New Jersey, in that order. This species was found on every count in Quebec, Maine, Vermont and Rhode Island, and on all Massachusetts areas except treeless Monomoy Point, and Provincetown at the tip of Cape Cod. It fell off abruptly in southern Connecticut and Long Island, but in upstate New York, New Jersey, Pennsylvania, and Maryland it was found in approximately half of the areas covered.

The influx of Pine Grosbeaks was the item of greatest interest in the states and provinces along the Canadian border from North Dakota to New England. In the last marked incursion of this species which occurred 22 years ago, 40 localities in 16 states and provinces recorded a total of 1013 individuals. In the current flight, 1614 individuals were listed from 84 areas in 21 states and provinces. Actually, coverage was so much greater in 1951 that there is no indication the present flight was greater than the one 22 years ago.

A third northern species, the Brown-capped Chickadee, was reported in unusual numbers in Ontario, with a scattering through New York State and a single individual at Imlay City, Mich. The total number listed was 54, from 15 areas.

**Observers.**—Honors are again paid to the two gentlemen who have participated in more than fifty consecutive Christmas Counts: Mr. Charles H. Rogers of Princeton, N. J. (52 years), and Mr. Harry B. McConnell of Cadiz, Ohio (51 years).

The Los Angeles bird groups established a new record by enlisting 106 participants for their annual Christmas Count. No wonder they turned in the longest list this year! Their nearest rivals in number of observers afield were Portland, Oreg., Toronto, Ont., and Northampton, Mass., all in the mid-sixties.

**Editorial policy.**—Thanks are extended to all participants who contributed so generously toward the printing costs of this issue. The total contribution amounted to $340.91.

As announced in the August 1951 issue, published Counts are being limited to areas in continental United States, Alaska and Canada. The exclusion of Christmas Counts from Hawaii and other localities outside the above boundaries is regrettable, but it is felt that since it is not possible to publish all counts from within the traditional area, it would not be fair to exclude even more in order to publish "foreign" Counts. The annual Christmas Bird Count from the island of Oahu will continue to be published in the February issue of *The Elepaio,* the monthly Journal of the Hawaii Audubon Society.

As usual, a few Counts were submitted that had been taken outside of the prescribed period. So long as space limitations prevent the publication of creditable manuscripts which follow all the prescribed regulations, the inclusion of lists taken outside the specified period cannot be justified.

Grateful appreciation is expressed to Mrs. Margaret Brooks Hickey, Professor Samuel A. Eliot, Jr., and Dr. John W. Aldrich for their invaluable assistance in the editing of these Counts.—C. S. R.

1. **Montreal, Que.** (Mount Royal, Ville LaSalle, St. Helen's Island, south shore from Jacques Cartier Bridge to Caughnawaga, and the north shore from Dorval to Victoria Bridge).—Dec. 23; 8:30 a.m. to 4:30 p.m. Clear; temp. 8° to 12° F.; wind 5 to 10 m.p.h.; 18 to 24 in. of fresh snow; all creeks and marshes frozen; ice on St. Lawrence River extremely heavy. Twenty-one observers in 7 parties. Total party-hours, 28 (17 on foot, 9 by car, 2 by boat); total party-miles, 76 (15 on foot, 60 by car, 1 boat). Black Duck, 66; Am. Golden-eye, 1170; Am. Merganser, 88; Goshawk, 1; Sharp-shinned Hawk, 2; Rough-legged Hawk, 1; Sparrow Hawk, 2; European Partridge, 14; Ring-necked Pheasant, 50; Glaucous Gull, 1; Great Black-backed Gull, 9; Herring Gull, 40; Ring-billed Gull, 1; Horned Owl, 2; Snowy Owl, 2; Short-eared Owl, 1; Hairy Woodpecker, 8; Downy Woodpecker, 18; Horned Lark, 10; Am. Crow, 8; Black-capped Chickadee, 47; White-breasted Nuthatch, 6; Brown Creeper, 15; Common Starling, 27; House Sparrow, not est.; Evening Grosbeak, 19; Pine Grosbeak, 3; Common Redpoll, 6; White-winged (?) Crossbill, 6; Snow Bunting, 53. **Total,** 30 species; 1676 individuals.—Simonne Boyer, J. D. Cleghorn, Mr. and Mrs. J. D. Elliot, D. Garneau, Rev. V. Gaboriault, G. Hibbard, H. Longley, Rev. Bro. Matthias, W. McBride, Ian McLaren, G. H. Montgomery, John M. Montgomery, J. Normandin, Mrs. P. Roberts, J. W. Robinson, Dan Ryan, Mr. and Mrs. L. M. Terrill, M. Wilson, Richard Yates.

2. **Quebec, Que.** (same as 1950 and previous years, plus a 40-mile car trip along the St. Lawrence River from Quebec bridge to Island of Orleans bridge; town suburbs 22%, fields 16%, coniferous forests 7%, deciduous woods 26%, mixed woodlands 20%, shores 9%).—Dec. 27; 7:00 a.m. to 4:15 p.m. Light snow, cloudy; temp. 0° to 14° F.; wind NW, 1-3 m.p.h.; 22-24 inches of snow on ground; small rivers partly frozen, exceptionally large and compact icefields on St. Lawrence River. Twelve observers in 5 parties. Total party-hours, 32 (28 on foot, 4 by car); total party-miles, 61 (21 on foot, 40 by car). Sharp-shinned Hawk, 1; Ruffed Grouse, 4; Ring-necked Pheasant, 2; Herring Gull, 6; Hairy Woodpecker, 5; Blue Jay, 1; Am. Crow, 2; Black-capped Chickadee, 37; Brown-capped Chickadee, 1; Brown Creeper, 1; Common Starling, 15; House Sparrow, 383; Red-winged Blackbird, 1 (ad. male at 30 feet, L.-A.L.); Evening Grosbeak, 7; Pine Grosbeak, 18. **Total,** 15 species; 484 individuals. (Seen in area Dec. 25: Arctic Woodpecker, 1; Snow Bunting, 50; Dec. 26: Common Redpoll, 1.)—R. Cayouette (compiler), A. Fortin, P. Grenier, F. Hamel, L. Lemieux, G. Lepage, R. Lepage, L.-A. Lord, G. Lord, J. Lord, G. Moisan, H. Talbot (La Société Zoologique de Québec).

3. **Barrie, Ont.** (Shanty Bay, Tollandale, Highway 90, Camp Borden, Lisle, Alliston, Big Bay Point, Midhurst Park & District).—Dec. 30; 9 a.m. to 5 p.m. Clear, mild; temp. 34° to 34°; wind NW, light; 18-in. snow in open country; no open water on Bay. Twenty-one observers in 5 parties. Total party-hours, 24½ (6½ on foot, 18 by car); total party-miles, 125 (10 on foot, 115 by car). Gyrfalcon, 1; Ruffed Grouse, 11; Ring-necked Pheasant, 1; Herring Gull, 2; Horned Owl, 1; Barred Owl, 2; Short-eared Owl, 1; Belted Kingfisher, 1; Pileated Woodpecker, 4; Hairy Woodpecker, 4; Downy Woodpecker, 10; Blue Jay, 45; Black-capped Chickadee, 118; White-breasted Nuthatch, 18; Brown Thrasher, 1; Golden-crowned Kinglet, 1; Common Starling, 40; House Sparrow, 389; Cardinal, 1; Evening Grosbeak, 27; Pine Grosbeak, 72; Common Redpoll, 26; Pine Siskin, 31; Am. Goldfinch, 15; Slate-colored Junco, 1; Am. Tree Sparrow, 26; White-throated Sparrow, 1; Snow Bunting, 75. **Total,** 28 species; 925 individuals. —W. A. Bell, Mrs. R. S. Carman, Paul Crease, Hugh Currie, R. G. Dingman, Mrs. W. A. Fisher, Mark Fisher, Mrs. J. H. Gable, Mr. and Mrs. J. Gilmore, A. M. Hughes, Mrs. S. E. Lewis, Mr. and Mrs. H. Morren, Frank Munroe, A. Mitchener, Trevor Pace, Mrs. J. Sheppard, Mr. and Mrs. J. Westman, R. F. Smith.

4. **Blenheim (Kent Co.), Ont.** (same area as in 1949, but only partially covered); farmland 65%, lake-front 20%, deciduous woods 12%, cattail marsh 2%, town 1%).—Dec. 28; 9 a.m. to 5 p.m. Cloudy, dull; temp. 20° to 32°; wind WSW, 20-30 m.p.h.; ground covered with 24-in. snow on level. Rondeau Bay and Erieau Harbour frozen, except for one pool of open water; Lake Erie with ice near shore. Eight observers in 2 parties. Total party-hours, 64 (30 on foot, 34 by car); total party-miles, 74 (18 on foot, 56 by car). Am. Golden-eye, 217; Buffle-head, 55; Am. Merganser, 65; Red-breasted Merganser, 21; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 2; Rough-legged Hawk, 3; Bald Eagle, 6; Marsh Hawk, 3; Bob-white, 10; Ring-necked Pheasant, 16; Great Black-backed Gull, 2; Herring Gull, 126; Ring-billed Gull, 1; Mourning Dove, 14; Horned Owl, 1; Red-headed Woodpecker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 16; Horned Lark, 79; Blue Jay, 8; Am. Crow, 228; Black-capped Chickadee, 137; Brown-capped Chickadee, 3 (observed at 6 feet—H.B.W.); White-breasted Nuthatch, 3; Brown Creeper, 1; Golden-crowned Kinglet, 32; Common Starling, 350+; House Sparrow, 450+; Eastern Meadowlark, 1; Cardinal, 27; Purple Finch, 1; Am. Goldfinch, 27; Slate-colored Junco, 36; Am. Tree Sparrow, 250+; Song Sparrow, 4; Snow Bunting, 163. **Total,** 38 species; 2363 individuals.—J. A. Begg, R. Blackburn, K. Davey, H. Evans, G. R. Driscoll, W. F. Hampton, G. F. Manson, H. B. Wressell (Kent Nature Club).

5. **Hamilton, Ont.** (same area as last year).—Dec. 23; 8 a.m. to 5:30 p.m. Light overcast, snowing at times; temp. 7° to 28°; wind SE to N, light; 6 to 25-in. snow on ground; harbor mostly frozen. Forty-six observers in 17 parties. Total party-hours, 103 (94 on foot, 9 by car); total party-miles, 218 (125 on foot, 93 by car). Great Blue Heron, 2; Mallard, 31; Black Duck, 30; Canvas-back, 1; Greater Scaup, 36; Am. Golden-eye, 244; Buffle-head, 13; Old-squaw, 2; White-winged Scoter, 2; Ruddy Duck, 1 (D.B., R.E.); Hooded Merganser, 3; Am. Mer-

ganser, 1400; Red-breasted Merganser, 14; Goshawk, 1 (N.B., R.B.); Cooper's Hawk, 5; Red-tailed Hawk, 13; Rough-legged Hawk, 2; Marsh Hawk, 3; Sparrow Hawk, 6; Ruffed Grouse, 3; Ring-necked Pheasant, 38; Glaucous Gull, 2; Great Black-backed Gull, 66; Herring Gull, 11,000; Ring-billed Gull, 11; Screech Owl, 1; Horned Owl, 4; Long-eared Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 4; Red-headed Woodpecker, 1 (M.W.); Hairy Woodpecker, 24; Downy Woodpecker, 103; Horned Lark, 1; Blue Jay, 83; Am. Crow, 2; Black-capped Chickadee, 459; **Brown-capped Chickadee,** 1 (M.E.); White-breasted Nuthatch, 51; Red-breasted Nuthatch, 3; Brown Creeper, 7; Winter Wren, 10; Carolina Wren, 2 (D.B., R.E.); Am. Robin, 2; Golden-crowned Kinglet, 3; Cedar Waxwing, 21; Gray Shrike, 1; Common Starling, 2300; House Sparrow, 1500; Eastern Meadowlark, 4; Red-winged Blackbird, 1; **Cardinal,** 113; **Evening Grosbeak,** 15; Purple Finch, 33; **Pine Grosbeak,** 42; Common Redpoll, 43; Am. Goldfinch, 93; Slate-colored Junco, 231; **Oregon Junco,** 2 (N.B., I.H.); Am. Tree Sparrow, 306; White-throated Sparrow, 2; Swamp Sparrow, 5; Song Sparrow, 22; Snow Bunting, 468. **Total,** 64 species; about 18,895 individuals.—Edith Austen, Eric W. Bastin, Neil Bourne, R. D. F. and Mrs. Bourne, Michael Brooks, Stella Brown, Don Bucknell, Albert N. Butwick, Jack Campbell, William I. Campbell, Shiela Clark, Enid Clarkson, Janet Clarkson, Kenneth J. Cox, Harold Cunliffe, James Dowall, Robert O. Elstone, Mrs. A. Falladown, Mildred Fitzgerald, Leopold Fucikovsky, Miss L. Grightmire, Ian Halladay, P. F. Henderson, William and Mrs. Holley, Angus B. Jackson, Elizabeth LeWarne, C. Douglas McCallum, G. O. McMillan, John W. Moule, Gertrude Nelson, Albert B. Nind, George W. North (compiler), Laurel North, Florence Peart, David K. Powell, R. K. Sargeant, Lawrie Smith, Laura Stewart, Gordon Sweatman, Cecil Walt, Anne Watson, Mabel Watson, Mrs. M. R. Watters, J. H. Williams (Hamilton Nature Club).

6. **Kingston, Ont.** (7½-mile radius centering on MacDonald Park, Kingston, and including Cataraqui River and Creek, shores and waters of Lake Ontario and St. Lawrence River, Wolfe and adjacent Islands; farm land 30%, urban centers 4%, marshes 12%, water 30%, mixed woodlands 24%).—Dec. 26; 8:30 a.m. to 4:30 p.m. Clear; temp. 10° to 20°; wind NW, 10-15 m.p.h.; ground covered with 2-foot snow with much larger drifts; marshes, rivers frozen, bays in L. Ontario largely open; St. Lawrence River open. Thirteen observers in 4 parties. Total party-hours, 63½; total party-miles, 194 (21 on foot, 169 by car, 4 by boat). Common Loon, 2; Black Duck, 24; Greater Scaup, 245; Am. Golden-eye, 953; Bufflehead, 1; Am. Merganser, 502; Red-breasted Merganser, 19; Bald Eagle, 3; Sparrow Hawk, 1; Ruffed Grouse, 11; European Partridge, 73; Ring-necked Pheasant, 8; Glaucous Gull, 1; Great Black-backed Gull, 50; Herring Gull, 358; Ring-billed Gull, 5; Horned Owl, 1; Long-eared Owl, 1; Hairy Woodpecker, 2; Downy Woodpecker, 9; Blue Jay, 20; Black-capped Chickadee, 68; White-breasted Nuthatch, 7; Common Starling, 564; House Sparrow, 707; Eastern Meadowlark, 3; Evening Grosbeak, 1; Pine Siskin, 3; Am. Goldfinch, 7; Slate-colored Junco, 1; Am. Tree Sparrow, 10; Snow Bunting, 117. **Total,** 32 species; about 3776 individuals. (Seen in area Dec. 23: Horned Grebe, 3; Pied-billed Grebe, 1; Am. Crow, 1; Brown-capped Chickadee, 4; Brown Creeper, 1; Cardinal, 1; Pine Grosbeak, 1.)—J. Argue, A. Bell, I. Boardman, J. Cartwright, A. Hyde, I. Hyde, W. Lamb, A. Peters, S. Peters, R. Stewart, G. Stirrett (compiler), R. Travers, L. Ward (Kingston Nature Club).

7. **London, Ont.** (same as 1950).—Dec. 29; 8:30 a.m. to 4:30 p.m. Cloudy; temp. 35° to 40°; wind S, 10 m.p.h.; ground covered with 20-24 in. snow. Thirty-six observers in 10 parties. Total party-hours, 72 (60 on foot, 12 by car); total party-miles, 125 (75 on foot, 50 by car). Mallard, 1; Black Duck, 13; Greater Scaup, 1; Am. Golden-eye, 191; Hooded Merganser, 1; Am. Merganser, 45; Sharp-shinned Hawk, 3; Cooper's Hawk, 5; Red-tailed Hawk, 19; Red-shouldered Hawk, 1; Rough-legged Hawk, 2; Bald Eagle, 1; Ruffed Grouse, 4; Ring-necked Pheasant, 35; Virginia Rail, 1; Herring Gull, 8; Mourning Dove, 23; Screech Owl, 1; Horned Owl, 4; Long-eared Owl, 2; Belted Kingfisher, 7; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 17; Downy Woodpecker, 64; Horned Lark, 4; Blue Jay, 76; Am. Crow, 16; Black-capped Chickadee, 255; Brown-capped Chickadee, 2; White-breasted Nuthatch, 42; Red-breasted Nuthatch, 2; Brown Creeper, 15; Winter Wren, 6; Golden-crowned Kinglet, 31; Common Starling, 256; House Sparrow, 828; Brown-headed Cowbird, 1; Cardinal, 147; Evening Grosbeak, 10; Purple Finch, 2; Pine Grosbeak, 26; Am. Goldfinch, 80; Slate-colored Junco, 139; Am. Tree Sparrow, 144; Song Sparrow, 25; Lapland Longspur, 9; Snow Bunting, 118. **Total,** 47 species; 2684 individuals. (Seen during the week: Carolina Wren, Am. Robin, Eastern Meadowlark, Common Redpoll, Oregon Junco.)—Mary Abbott, Carol Bycroft, Dr. and Mrs. C. Cline, A. C. Lendinning, R. G. Cummings, Tom Cummings, Eli Davis, Michael and James Fallona, Catharine Fox, Ted Garside, Mr. and Mrs. Wm. Girling, Mr. and Mrs. J. Higgins, Mary Jane Heighway, Wm. Jarmain, Howard Keast, Gretchen Lawton, Mr. and Mrs. J. Leach, J. Laughton, Lea Marsh, Wm. Maddeford, H. MacMahon, Joan Mortimer, Harold Osborne, Donald Pope, Caroline Pope, Keith Reynolds, Margaret Stevens, Blanche Stauffer, W. D. Sutton, Charles Whitlaw, Tom Wolf.

8. **North Bay, Ont.** (same area and habitat percentages as last year).—Dec. 30; 8 a.m. to 4 p.m. Clear to freezing rain; temp. 4° to 33°; wind W to SE, 5-15 m.p.h.; ground covered with 6 to 10-in. crusted snow; all fresh water frozen except rapids and eddies. One observer. Total party-hours, 8 (3½ on foot, 4½ by car); total party-miles, 43 (4 on foot, 39 by car). Am. Golden-eye, 6; Pileated Woodpecker, 1; Hairy Woodpecker, 7; Downy Woodpecker, 2; **Gray Jay,** 3; Blue Jay, 7; Common Raven, 2; Black-capped Chickadee, 42; White-breasted Nuthatch, 1;

Red-breasted Nuthatch, 2; Brown Creeper, 1; Common Starling, 29; House Sparrow, 20; Pine Grosbeak, 13; Common Redpoll, 3; Snow Bunting, 3. **Total,** 16 species; 142 individuals.—Louise de K. Lawrence.

**9. Ottawa, Ont.** (radially about city; Montreal and Russel Roads; Rockcliffe; C.P.R. tracks and Metcalf Hwy.; Uplands airport; Dow's lake to Hog's Back and South March to Brittania; Black Rapids to Jock River and west; Carling south to Brittania; Westboro; Arboretum; Aylmer area; Mountain Rd.; Gatineau).—Dec. 30; 8:30 a.m. to 4:45 p.m. Overcast; temp. 28° to 40°; no wind; ground covered with 2 ft. soft snow; rapids open. Twenty-eight observers in 12 parties. Total party-hours, 60; total party-miles, 251½ (46½ on foot, 205 by car). Am. Golden-eye, 87; Am. Merganser, 20; Sparrow Hawk, 2; Ruffed Grouse, 6; European Partridge, 16; Ring-necked Pheasant, 8; Barred Owl, 1; Pileated Woodpecker, 1; Hairy Woodpecker, 5; Downy Woodpecker, 7; Gray Jay, 2; Blue Jay, 42; Am. Crow, 2; Black-capped Chickadee, 128; Brown-capped Chickadee, 3; White-breasted Nuthatch, 24; Red-breasted Nuthatch, 4; Brown Creeper, 1; Common Starling, 640; House Sparrow, 1446; Evening Grosbeak, 35; Pine Grosbeak, 79; Am. Goldfinch, 2; Slate-colored Junco, 2; Am. Tree Sparrow, 6; Lapland Longspur, 2; Snow Bunting, 286. **Total,** 27 species, 2857 individuals. (Seen in area Dec. 28: Yellow-shafted Flicker, 1.)—A. Banning, A. E. Bourguignon, K. Bowles, H. M. Brown, E. Doull, M. Flynn, C. Frankton, E. G. Frankton, R. Frith, K. Hoare, V. Humphries, H. F. Lewis, Mrs. H. F. Lewis, H. Lloyd, D. A. MacLulich, B. M. Millman, P. M. Millman, T. F. T. Moreland, V. Ross, G. E Russell, L. S. Russell, C. E. Savile, W. J. Smith, V. E. F. Solman, R. Solman, A. R. Taysom, J. S. Tener, N. M. Tener.

**10. Pickering Twp. (Ontario Co.), Ont.** (same as last year).—Dec. 26; 7 a.m. to 5 p.m. Clear to pt. cldy.; temp. 10° to 24°; wind NW, 5-10 m.p.h.; ground covered with 8 to 15 in. drifted snow. Two observers in 1 party. Total party-hours, 10 (on foot and snowshoes); total party-miles, 5 (on foot and snowshoes). Cooper's Hawk, 1; Red-tailed Hawk, 1; Ruffed Grouse, 1; Hairy Woodpecker, 2; Downy Woodpecker, 3; Blue Jay, 10; Black-capped Chickadee, 30; White-breasted Nuthatch, 2; Common Starling, 6; House Sparrow, 62; Cardinal, 9; Pine Grosbeak, 3; Common Redpoll, 4; Am. Goldfinch, 3; Slate-colored Junco, 5; Oregon Junco, 1 (present since Dec. 13; pink sides extending in front of bend of wing; brown back contrasting with gray head); Am. Tree Sparrow, 1; Snow Bunting, 66. **Total,** 18 species; 210 individuals.—Doris H. Speirs, J. Murray Speirs (compiler).

**11. Point Pelee, Ont.** (the National Park and some agricultural land at north edge; agricultural land 25%, marshland 20%, deciduous woods 20%, red cedar groves 15%, lake shore 20%).—Dec. 29; 9 a.m. to 3:45 p.m. Complete overcast; temp. 26° all day; wind SW, 5 m.p.h.; marshes frozen, creeks mostly frozen; Lake Erie frozen on west side, patches of ice on east side of point; 10-in. snow on ground. Two observers in 1 party. Total party-hours, 6¾ (3 on foot, 3¾ by car); total party-miles, 37 (4½ on foot, 32½ by car). Am. Golden-eye, 21; Bufflehead, 4; Am. Merganser, 4; Red-tailed Hawk, 2; Bald Eagle, 3; Marsh Hawk, 3; unidentified hawk, 2; Ring-necked Pheasant, 5; Herring Gull, 15; Mourning Dove, 3; Hairy Woodpecker, 1; Downy Woodpecker, 6; Horned Lark, 100 (est.); Am. Crow, 331 (145±25, 186); Black-capped Chickadee, 16; Brown Creeper, 2; Golden-crowned Kinglet, 3; Common Starling, 16; House Sparrow, 103 (90 est., 13); Brown-headed Cowbird, 1; Cardinal, 23; **Evening Grosbeak,** 38; Am. Goldfinch, 3; Eastern Towhee, 1; Slate-colored Junco, 7; Am. Tree Sparrow, 145 (est.); Swamp Sparrow, 1; Song Sparrow, 1; Snow Bunting, 187 (185 est., 2). **Total,** 28 species; approximately 1047 individuals.—Frederick M. Helleiner, Alden M. Strong.

**12. Port Arthur-Fort William, Ont.** (7½-mile radius touching Bare Point, S. of Whiskeyjack Pt., Carters Corners, Intola P. O.; 25% farmlands, 43% woodlands, 12% residential and industrial areas, 12% peat and muck bogs, 8% lake).—Dec. 26; 9 a.m. to 5:30 p.m. Dull with snow flurries, clearing in afternoon; temp. 15° to 12°; wind NW, 20-30 m.p.h.; 2-in. snow on ground, all water frozen. Twenty-six observers in 11 parties. Total party-hours, 40 (25 on foot, 15 by car); total party-miles, 144 (29 on foot, 115 by car). Ruffed Grouse, 7; Herring Gull, 31; Snowy Owl, 1; Hairy Woodpecker, 1; Downy Woodpecker, 1; **Gray Jay,** 3; Blue Jay, 18; Common Raven, 24; Am. Crow, 6; Black-capped Chickadee, 67; **Brown-capped Chickadee,** 14; Red-breasted Nuthatch, 2; Bohemian Waxwing, 1; Common Starling, 112; House Sparrow, 775; **Cardinal,** 1 (first local record); Evening Grosbeak, 17; Pine Grosbeak, 50; Common Redpoll, 262; Slate-colored Junco, 1. **Total,** 20 species; 1394 individuals. (Seen in area Dec. 27, Am. Robin, 1.)—Mr. and Mrs. P. Addison and sons Bill, Peter and Edward, Dr. and Mrs. A. E. Allin, H. K. Campbell, K. Denis (compiler) and son Norman, Mr. and Mrs. K. Eoll, C. E. Garton, Mr. and Mrs. Hanton, Dr. and Mrs. W. P. Hogarth, Mrs. M. Knowles, Mrs. Pengelley, A. Robinson, Mr. and Mrs. C. Rydholm and children Louise and Roy, Mr. and Mrs. J. Thompson (Thunder Bay Field Naturalists' Club).

**13. St. Thomas, Ont.** (same as last year).—Dec. 30; 7:25 a.m. to 5:30 p.m. Hazy, then clear; temp. 34° to 45°; wind SW to NE, 1 m.p.h.; about 12-in. snow in wooded areas; all ponds frozen; parts of creeks open; lake frozen 1 mile out. Twenty observers in 5 parties. Total party-hours, 36 (30 on foot, 6 by car); total party-miles, 80 (22 on foot, 58 by car). Great Blue Heron, 2; Canada Goose, 2; Mallard, 4; Black Duck, 29; Am. Golden-eye, 20; Red-tailed Hawk, 12; Red-shouldered Hawk, 2; Rough-legged Hawk, 3; Marsh Hawk, 1; Sparrow Hawk, 3; Ruffed Grouse, 4; Ring-necked Pheasant, 18; Herring Gull, 6; Ring-billed Gull, 4; Mourning Dove, 26; Long-eared Owl, 2; Short-eared Owl, 1; Belted Kingfisher,

1; Yellow-shafted Flicker, 2; Pileated Woodpecker, 2; Hairy Woodpecker, 9; Downy Woodpecker, 35; Horned Lark (including 5 Northern Horned Larks seen at close range by M. Field), 26; Blue Jay, 42; Am. Crow, 2; Black-capped Chickadee, 290; Brown-capped Chickadee, 5; White-breasted Nuthatch, 25; Red-breasted Nuthatch, 7; Brown Creeper, 6; Winter Wren, 1; Golden-crowned Kinglet, 6; Common Starling, 263; House Sparrow, 310; Cardinal, 56; Evening Grosbeak, 7; Pine Grosbeak, 5; Am. Goldfinch, 295; Eastern Towhee, 2; Slate-colored Junco, 86; Am. Tree Sparrow, 79; Field Sparrow, 12; White-throated Sparrow, 2; Song Sparrow, 11; Lapland Longspur, 5; Snow Bunting, 301. **Total,** 46 species (1 additional subspecies); 2032 individuals. (Seen in area Dec. 26, Tufted Titmouse.)—Mrs. E. Allan, C. Ashbury, L. Auckland, Mrs. F. Bell, C. Bartlett, Mrs. R. Coombs, C. Clarke, A. Curtis, Mrs. J. Field, J. Field, M. Field (comp.), R. Foster, Mrs. W. Hodgkinson, C. Johnson, Mrs. J. Marr, D. Neill, W. Rankin, A. Streib, W. Stewart, D. Young (St. Thomas Field Naturalist Club).

14. **Toronto, Ont.** (same as last year).—Dec. 23; 7:30 a.m. to 4:30 p.m. Dull, some flurries; temp. 14° to 29°; wind negligible; 10-12 in. of snow on the ground; bay, ponds, creeks and nearly all visible part of lake frozen; few open spots. Sixty-five observers in 16 parties. Total party-hours, 87 (78 on foot, 9 by car); total party-miles, 130 (85 on foot, 45 by car). Great Blue Heron, 2; Mallard, 370; Black Duck, 519; Pintail, 1; Redhead, 4; Greater Scaup, 2852; Lesser Scaup, 4; Am. Golden-eye, 243; Buffle-head, 81; Old-squaw, 899; Am. Merganser, 95; Red-breasted Merganser, 10; Cooper's Hawk, 5; Red-tailed Hawk, 17; Rough-legged Hawk, 4; Marsh Hawk, 4; Gyrfalcon (White), 1 (seen on 2 occasions as it flew westward over Toronto Island—G.L., F.S.); Peregrine Falcon, 1; Sparrow Hawk, 19; Ring-necked Pheasant, 314; Glaucous Gull, 5; Iceland Gull, 1; Great Black-backed Gull, 12; Herring Gull, 1473; Ring-billed Gull, 20; Mourning Dove, 1; Screech Owl, 3; Horned Owl, 6; Long-eared Owl, 9; Short-eared Owl, 12; Saw-whet Owl, 1; Belted Kingfisher, 6; Yellow-shafted Flicker, 1; Hairy Woodpecker, 30; Downy Woodpecker, 144; Arctic Woodpecker, 1; Horned Lark, 1; Blue Jay, 82; Common Raven, 1; Am. Crow, 74; Black-capped Chickadee, 604; Brown-capped Chickadee, 1; White-breasted Nuthatch, 108; Brown Creeper, 14; Winter Wren, 6; Carolina Wren, 1; Catbird, 1; Am. Robin, 1; Golden-crowned Kinglet, 16; Common Starling, 4525; House Sparrow, 1568; Red-winged Blackbird, 1; Purple Grackle, 1; Cardinal, 70; Evening Grosbeak, 3; Purple Finch, 3; Pine Grosbeak, 75; Common Redpoll, 79; Pine Siskin, 10; Am. Goldfinch, 119; Eastern Towhee, 1; Slate-colored Junco, 140; Am. Tree Sparrow, 121; White-throated Sparrow, 4; Swamp Sparrow, 3; Song Sparrow, 34; Lapland Longspur, 4; Snow Bunting, 508. **Total,** 68 species; 15,349 individuals.—J. L. Baillie (compiler), Robt. Bateman, Ross Bateman, D. Beacham, G. Bennett, F. Bodsworth, O. D. Boggs, A. Bunker, D. Burton, L. Butcher, W. Carrick, G. Clark, V. Clark, A. Dawe, M. Easto, F. H. Emery, B. Foster, G. Francis, G. Gibson, A. Gordon, W. W. H. Gunn, H. Halliday, Paul Harrington, Peter Harrington, C. Helleiner, F. Helleiner, A. Helmsley, C. Hope, R. James, F. Keim, G. Lambert, A. Lamsa, C. Leavens, B. LeVay, F. LeVay, N. LeVay, T. LeVay, J. Livingston, N. Martin, W. Martin, W. McGregor, T. F. McIlwraith, F. Meuller, W. Milne, A. Mitchener, R. Pannell, A. Reid, T. Russell, D. Scovell, R. Scovell, J. Sherrin, T. Shortt, D. Smith, F. Smith, W. Smith, L. Snyder, R. Stewart, J. Strickland, A. Strong, E. Talvilla, S. Thompson, E. Thorn, L. Walden, W. Wasserfall, J. D. West (members and friends of the Brodie Club; assisted by the Toronto Ornithological Club).

15. **West Elgin (Aldboro and Dunwich Twps.), Ont.** (area within 15-mile circle centered one mile north of West Lorne; pasture land 10%, agricultural land 10%, deciduous woods 20%, conifer groves 5%, lake shore 15%, river banks and creek gulleys 40%). —Dec. 26; 7:30 a.m. to 5:15 p.m. Clear sky until mid-afternoon when complete high overcast moved in from the NW; temp. steady at 17° all day; wind NW, 8 m.p.h.; 6-in. loose snow over 9-in. crusted snow, with drifts up to 3 feet; walking conditions very poor; Thames River frozen except for rapids, scattered ice fields on Lake Erie. Fifteen observers in 5 parties. Total hours, 27½; total miles, 72 (27 on foot, 45 by car). Am. Golden-eye, 87; Sharp-shinned Hawk, 3; Cooper's Hawk, 1; Red-tailed Hawk, 12; Red-shouldered Hawk, 1; Rough-legged Hawk, 4; Bald Eagle, 1; Bob-white, 8; Ring-necked Pheasant, 7; Ruffed Grouse, 2; Herring Gull, 3; Mourning Dove, 12; Screech Owl, 1; Horned Owl, 1; Long-eared Owl, 1; Short-eared Owl, 1; **Red-bellied Woodpecker,** 4 (D.M., D.M., D.M.; under observation by Club members for past year); **Pileated Woodpecker,** 1 (D.M.); Downy Woodpecker, 31; Hairy Woodpecker, 10; Horned Lark, 12; Blue Jay, 8; Am. Crow, 10; Black-capped Chickadee, 146; **Brown-capped Chickadee,** 8 (R.E.L., V.E.L.); White-breasted Nuthatch, 5; Brown Creeper, 3; Am. Robin, 2; (R.E.L.); Golden-crowned Kinglet, 30; Common Starling, 85 (±10); House Sparrow, 220 (±10); **Rusty Blackbird,** 3 (D.M.; observed frequently this autumn along one section of river); Cardinal, 40; **Evening Grosbeak,** 1 (J.A., K.M.); **Pine Grosbeak,** 32 (R.E.L., V.E.L., D.R.); Am. Goldfinch, 64; Eastern Towhee, 1 (R.E.L.); Slate-colored Junco, 52; Am. Tree Sparrow, 106 (±10); Song Sparrow, 4; Snow Bunting, 210 (±10). **Total,** 41 species; about 1233 individuals. (Seen recently: Marsh Hawk, Sparrow Hawk, Common Redpoll.)—Jack Arnold, S. M. Lancaster, H. L. Lancaster, V. Earl Lemon, R. E. Lemon, Mr. and Mrs. H. Mylrea, Ken Mylrea, David Murray, Donald Murray, Dougald Murray, David Robinson, E. Sifton, A. C. Steele, Ruth Steele (West Elgin Nature Club).

16. **Yorkton, Sask.** (area 15 miles in diameter with Yorkton as center).—Dec. 26; 9 a.m. to 4 p.m. Overcast for 2 hours in mid-day, otherwise clear; wind NW, 10-12 m.p.h.; temp. −9° to −5°. Ground covered with 2-in. snow. Fifteen observers in 6 parties. Total party-hours, 13 (5½ by car, 7½ on foot);

total party-miles, 55 (48 by car, 7 on foot). Pigeon Hawk, 1 [no details—Ed.]; Ruffed Grouse, 1; Sharp-tailed Grouse, 10; European Partridge, 5; Snowy Owl, 1; Blue Jay, 2; Am. Magpie, 24; Black-capped Chickadee, 10; House Sparrow, 373 (est.); Red-winged Blackbird, 4 (2 males and 2 females seen at close range near spring—Brothers Clarence and Vincent); Pine Grosbeak, 5; Common Redpoll, 8; White-winged Crossbill, 2; Snow Bunting, 395 (est.). **Total,** 14 species; approx. 841 individuals.—Norma Beck, Wayne Bjorgan, Brother Clarence, Brother Vincent, Henry Chilman, Lionel Coleman, Ronald Coleman, C. J. Houston, Dr. and Mrs. Stuart Houston, Charles Lightbody, Tony Pawluck, Paul Welgan, Ronald Welgan, D'Arcy Wershler (Yorkton Natural History Society).

**17. College, Alaska (6 miles W of Fairbanks)** (transect from College to Cleary Summit on the Steese Highway and return; also, vicinity of Smith Lake and ski trail by Country Club; 90% small-diameter spruce-birch-aspen forest, remainder open farmland or areas of placer mining). Cleary Summit (2800 ft.) is at timberline.—Dec. 30; 8:15 a.m. (.5 footcandles) to 3:15 p.m. (.5 footcandles). Overcast, intermittent snow (max. of 25 footcandles). Official sunrise, 9:57 a.m.; official sunset, 1:51 p.m.; temp. 10° to 20° F.; wind W, 2-3 m.p.h.; ground cover varied fro 2 to 3½ feet of snow. Six observers in 3 parties. Total party-hours, 33 (12 on foot, 16 by car, 2¾ by snowshoe, 2¼ by skis); total party-miles 251 (4 on foot, 240 by car, 3 by snowshoe, 4 by skis). Ruffed Grouse, 5; Rock Ptarmigan, 16; Gray Jay (Alaskan), 4; Common Raven, 31; chickadee (undoubtedly both Black-capped and Brown-capped, but observer did not distinguish), 12; Pine Grosbeak, 8; Common Redpoll, 309. **Total,** 7 species; 385 individuals.—J. L. Buckley, S. DeLeonardis, B. Kessel (compiler), D. R. Klein, C. J. Lensink, L. A. Viereck (University of Alaska).

**18. Bristol, Bremen and Damariscotta, Me.** (west shore of Muscongus Bay from Pemaquid Pt. to Broad Cove, adjacent swamps, roads, fields & woods, Damariscotta River; rocky shore 40%, deciduous woodland 25%, open fields 25%, spruce swamp 5%, feeding stations 5%).—Dec. 23; 6:30 a.m. to 4:15 p.m. Clear; temp. 20° to 30°; wind WSW, 25-30 m.p.h.; ground bare except scattered patches, fresh water frozen. Three observers in 1 party. Total party-hours, 9¾ (8¼ on foot, 1½ by car); total party-miles, 32 (8 on foot, 24 by car). Common Loon, 21; Red-necked Grebe, 4; European Cormorant, 4; Great Blue Heron, 2; Canada Goose, 8; Black Duck, 2; Am. Golden-eye, 184; Buffle-head, 212; Old-squaw, 159; Common Eider, 48; White-winged Scoter, 255; Am. Merganser, 10; Red-breasted Merganser, 21; Bald Eagle, 1; Ruffed Grouse, 2; Purple Sandpiper, 4; Great Black-backed Gull, 11; Herring Gull, 400 (±25); Black-legged Kittiwake, 6; **Razor-billed Auk,** 84; Black Guillemot, 10; Pileated Woodpecker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 2; Blue Jay, 2; Common Raven, 2; Am. Crow, 72; Black-capped Chickadee, 5; White-breasted Nuthatch, 2; Red-breasted Nuthatch, 1; Am. Robin, 1; Golden-crowned Kinglet, 7; Common Starling, 9; Evening Grosbeak, 5; Am. Goldfinch, 10. **Total,** 35 species; 1569 individuals. (Seen in area Dec. 30: Sharp-shinned Hawk, 1; Brown Creeper, 1; Am. Tree Sparrow, 20.)—M. Day, M. Libby, R. Buxton.

**19. Brunswick, Me.** (same as 1946 and subsequent years).—Dec. 23; 6:30 a.m. to 4:30 p.m. Clear; temp. 22° to 33°; wind NW, 12-25 m.p.h.; 2 in. crusted snow; inlets frozen. Thirteen observers in 5 parties. Total party-hours, 28 (10 on foot, 18 by car); total party-miles, 180 (30 on foot, 150 by car). Common Loon, 5; Red-necked Grebe, 1; Horned Grebe, 9; European Cormorant, 20; Great Blue Heron, 1; Black Duck, 64; Pintail, 1; Greater Scaup, 4; Am. Golden-eye, 468; Barrow's Golden-eye, 1; Buffle-head, 54; Old-squaw, 174; White-winged Scoter, 2; Surf Scoter, 26; Am. Scoter, 19; Red-breasted Merganser, 42; Rough-legged Hawk, 1; Bald Eagle, 5; Ruffed Grouse, 2; Great Black-backed Gull, 4; Herring Gull, 1535; Yellow-shafted Flicker, 3; Pileated Woodpecker, 1; Hairy Woodpecker, 7; Downy Woodpecker, 6; Blue Jay, 17; Am. Crow, 250; Black-capped Chickadee, 98; White-breasted Nuthatch, 10; Red-breasted Nuthatch, 8; Brown Creeper, 3; Am. Robin, 5; Golden-crowned Kinglet, 7; Gray Shrike, 1; Common Starling, 613; Myrtle Warbler, 30; House Sparrow, 80; Rusty Blackbird, 1 [No details—Ed.]; Brown-headed Cowbird, 1; Evening Grosbeak, 176; Pine Grosbeak, 1; Am. Goldfinch, 26; Red Crossbill, 1; White-winged Crossbill, 12; Slate-colored Junco, 5; Am. Tree Sparrow, 77; Snow Bunting, 52. **Total,** 47 species; 3929 individuals.—Charles Benson, Athern Daggett, William Daggett, Nathan Dane II, Nathan Dane III, Christopher Folk, Edgar Folk, Victor Fortin, Roger Gorham, Christopher Packard, Charles Ring, Orville Sadler, F. Burton Whitman.

**20. Mount Desert Island, Me.** (7½-mile radius centering at Halls Quarry; beach and open salt water 80%; coniferous forest 10%; town suburbs 5%, fields 5%).—Dec. 27; 7:45 a.m. to 4:45 p.m. Clear; temp. 12° to 20°; wind NW, 2-5 m.p.h.; ground covered with 6-10 in. of snow. Five observers in 1 party. Total party-hours, 9 (4 on foot, 5 by car); total party-miles, 94 (2 on foot, 92 by car). Common Loon, 3; Horned Grebe, 6; European Cormorant, 7; Black Duck, 185; Greater Scaup, 78; Am. Golden-eye, 79; Buffle-head, 153; Old-squaw, 60; Common Eider, 131; White-winged Scoter, 44; Am. Scoter, 9; Am. Merganser, 2; Red-breasted Merganser, 3; Red-tailed Hawk, 1; Bald Eagle, 3; Ruffed Grouse, 4; Great Black-backed Gull, 5; Herring Gull, 357; Black Guillemot, 11; Hairy Woodpecker, 2; Downy Woodpecker, 3; Blue Jay, 3; Common Raven, 5; Am. Crow, 13; Black-capped Chickadee, 69; White-breasted Nuthatch, 1; Red-breasted Nuthatch, 1; Golden-crowned Kinglet, 3; Common Starling, 25; Evening Grosbeak, 28; Pine Grosbeak, 2; Am. Goldfinch, 2; Slate-colored Junco, 3; Am. Tree Sparrow, 5. **Total,** 34 species; 1306 individuals. (Mrs. Mann reports that 2 weeks before the census she identified a Yellow-breasted Chat at a

local feeding station. Also about then a Saw-whet Owl roosted above her feeding station for a day.)—Mrs. Horace Mann, Mrs. Marjory Hayward, Ben Long, Ralph H. Long, Ralph H. Long, Jr.

21. **Wells and York, Me.** (Cape Neddick, Bald Head Cliff, Ogunquit, Wells, Drake Island: 10 miles of coast with short penetrations of 1 to 2 miles inland. Rocky headlands covered with conifers and some hardwoods, 40%; beach, salt marsh and creeks, 60%).—Dec. 29; 7:17 a.m. to 3 p.m. Overcast; temp. 30° to 38°; wind scarcely perceptible; snow cover 8 in. deep. Two observers in 1 party. Total party-hours, 16½ (2 on foot, 14½ by car); total party-miles, 38 (2 on foot, 36 by car). Common Loon, 6; Red-necked Grebe, 10; Horned Grebe, 59; European Cormorant, 2; Black Duck, 156; Am. Golden-eye, 135; Barrow's Golden-eye, 1; Buffle-head, 3; Old-squaw, 35; Common Eider, 240; White-winger Scoter, 48; Surf Scoter, 28; unidentified scoters, 41; Red-breasted Merganser, 26; Marsh Hawk, 1 ♂; Ring-necked Pheasant, 5; Purple Sandpiper, 5; Sanderling, 1; Great Black-backed Gull, 14; Herring Gull, 260; Horned Lark (Northern), 15; Blue Jay, 13; Am. Crow, 23; Black-capped Chickadee, 45; White-breasted Nuthatch, 2; Red-breasted Nuthatch, 7; Am. Robin, 7; Common Starling, 115; Myrtle Warbler, 1; Eastern Meadowlark, 2; Evening Grosbeak, 26; Pine Grosbeak, 2; Am. Goldfinch, 51; Red Crossbill, 14; White-winged Crossbill, 1; Slate-colored Junco, 2; Am. Tree Sparrow, 37; Song Sparrow, 1; Lapland Longspur, 8; Snow Bunting, 52. **Total,** 39 species; 1500 individuals.—Oscar M. Root, Wendell Taber.

22. **Coastal New Hampshire** (7½-mile radius to include Hampton-Seabrook Harbor, Newcastle, Great Bay and Exeter; ocean 30%, bay 20%, open land 10%, marsh 10%, suburban 10%, mixed woods 10%, scrub 10%).—Dec. 30; 7 a.m. to 4:30 p.m. Mostly cloudy; temp. 35° to 45°; no appreciable wind; ground covered with 4-in. wet snow. Eight observers together then dividing into 4 parties. Total party-hours, 15 (7 on foot, 8 by car); total party-miles, 80 (5 on foot, 75 by car). Common Loon, 24; Red-throated Loon, 14; Red-necked Grebe, 29; Horned Grebe, 63; European Cormorant, 1; Canada Goose, 60 (50±10, 10); Mallard, 2; Black Duck, 308 (250 ±25, 58); scaup (sp.), 10; Am. Golden-eye, 439 (200±20, 239); Buffle-head, 40; Old-squaw, 86; Common Eider, 3; White-winged Scoter, 64; Surf Scoter, 17; Am. Scoter, 4; Am. Merganser, 12; Red-breasted Merganser, 125; Marsh Hawk, 1; Sparrow Hawk, 4; Purple Sandpiper, 10; Glaucous Gull, 1; Great Black-backed Gull, 22; Herring Gull, 955 (900±100, 55); Yellow-shafted Flicker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 3; Horned Lark, 7; Blue Jay, 23; Am. Crow, 85; Black-capped Chickadee, 52; Am. Robin, 1; Golden-crowned Kinglet, 1; Cedar Waxwing, 4; Common Starling, 336 (330 est.); Myrtle Warbler, 6; House Sparrow, 76 (60 est., 16); Brown-headed Cowbird, 1; Purple Finch, 39; Pine Grosbeak, 22; Slate-colored Junco, 1; Am. Tree Sparrow, 87; Song Sparrow, 4; Snow Bunting, 86. **Total,** 44 species; about 3130 individuals.—Mr. and Mrs. Bradley Baker, Hamilton Coolidge, Kimball Elkins, Davis Finch and brother, Barbara and Tudor Richards (compilers).

23. **Dummer Hill, N. H.** (townships of Dummer and Stark, Coos Co., as in 1948 and subsequent years).—Dec. 28; 8:30 a.m. to 4 p.m. Clear; temp. −6° to 2°; wind NW, 5 m.p.h.; ground covered with 24-in. snow. Two observers in 1 party. Total party-hours, 7½ (on foot); total party-miles, 10 (on foot). Ruffed Grouse, 2; Hairy Woodpecker, 1; Blue Jay, 1; Black-capped Chickadee, 25; Golden-crowned Kinglet, 3; Evening Grosbeak, 5; Common Redpoll, 7; Slate-colored Junco, 1; Snow Bunting, 60. **Total,** 9 species; 105 individuals. (Seen in area Dec. 26: Am. Crow 1; Am. Tree Sparrow 1. Dec. 27: Brown-capped Chickadee, 1; Red-breasted Nuthatch. Dec. 29: Pine Grosbeak, 5.)—Stewart Duncan, Stuart K. Harris (compiler).

24. **Laconia—New Hampton, N. H.** (7½-mile radius including New Hampton, Meredith, Governor's Is., Gilford and Silver L., Tilton; open lake and river 30%, mixed woods 40%, brush 10%, open fields 10%, suburban 10%).—Dec. 27; 6:30 a.m. to 5 p.m. Clear; temp. −7° to 16°; wind W, 0-12 m.p.h.; ground covered with up to 30-in. soft snow. Part of Winnisquam Broads still open. Seventeen observers in 3 parties. Total party-hours, 21 (11 on foot, 10 by car); total party-miles, 124 (6 on foot, 118 by car). Horned Grebe, 1; Mallard, 2; Black Duck, 94; scaup (sp.), 1; Am. Golden-eye, 107; Barrow's Golden-eye, 1 ♂; Hooded Merganser, 18; Am. Merganser, 48; Bald Eagle, 2; Ruffed Grouse, 4; Herring Gull, 43; Ring-billed Gull, 1; Belted Kingfisher, 1; Pileated Woodpecker, 1; Hairy Woodpecker, 6; Downy Woodpecker, 12; Blue Jay, 41; Am. Crow, 9; Black-capped Chickadee, 95; White-breasted Nuthatch, 12; Red-breasted Nuthatch, 2; Brown Creeper, 5; Common Starling, 7; House Sparrow, 29; Evening Grosbeak, 88; Am. Goldfinch, 6; Slate-colored Junco, 7; Am. Tree Sparrow, 50; White-throated Sparrow, 2; Snow Bunting, 50. **Total,** 30 species; 745 individuals.—Barbara Chase, Mr. and Mrs. Arthur Gerry, Della Harvey, Mr. and Mrs. Earle Lancaster, Ernestine McCrillis, John Merrill, Blanche Noyes, Margaret Pitman, Tudor Richards (compiler), Elsie Robbins, Frank Seaver, Mary Southworth, Ruth Urie, Lucille Wallace, Vera Wallace.

25. **Monroe, N. H.** (south towards Woodsville, west to Connecticut River, north towards Littleton 4 miles, east 1½ miles; deciduous woodlots 25%, town suburbs 50%, river 20%, pine and hemlock 5%).—Dec. 29; 9 a.m. to 5 p.m. Clear; temp. 20°; wind NNW, 10 m.p.h.; ground covered with 1+ ft. of snow; all water frozen except below 2 dams on river. Seven observers in 3 parties. Total party-hours, 30 (16 on foot, 14 by car); total party-miles, 60 (16 on foot, 34 by car). Black Duck, 24; Am. Golden-eye, 1; Am. Merganser, 13; Bald Eagle, 1; Ruffed Grouse, 3; Pileated Woodpecker, 3; Hairy Woodpecker, 5; Downy Woodpecker, 5; Am. Crow, 5; Black-capped Chickadee, 30; White-breasted Nuthatch, 7; Red-

breasted Nuthatch, 2; Brown Creeper, 4; Common Starling, 15; Evening Grosbeak, 28; Pine Grosbeak, 30; Am. Tree Sparrow, 20; Snow Bunting, 100. **Total,** 18 species; 296 individuals.—R. B. Emery (compiler), E. A. Emery, P. E. Powers, A. J. Beattie, J. F. Hunt, L. E. Cole, Frances Griffen.

**26. Pittsburg, N. H.** (7½-mile radius to include Pittsburg village and lower East Inlet; open pools in river 5%, northern conifers 50%, northern hardwoods 20%, brush 10%, village 10%, open land 5%).—Dec. 29; 6:30 a.m. to 4:30 p.m. Partly cloudy; temp. 8° to 30°; no appreciable wind; ground covered with up to 30-in. soft snow. Four observers in 2 parties. Total party-hours, 12 (8 on foot, 4 by car); total party-miles, 80 (8 on foot, 72 by car). Black Duck, 2; Am. Golden-eye, 50 (±10); Barrow's Golden-eye, 1 ♂; Am. Merganser, 35 (±5); Ruffed Grouse, 12; Hairy Woodpecker, 4; Downy Woodpecker, 3; Gray Jay, 4; Blue Jay, 5; Black-capped Chickadee, 28; Brown-capped Chickadee, 9; White-breasted Nuthatch, 1; Red-breasted Nuthatch, 5; Golden-crowned Kinglet, 2; Gray Shrike, 1; Pine Grosbeak, 1; Am. Tree Sparrow, 2; Snow Bunting, 4. **Total,** 18 species; 169 individuals.—Eva and Fred Scott, Barbara and Tudor Richards (compilers).

**27. Bennington, Vt.** (7 feeding stations in and about Bennington village, north slope of Mt. Anthony, open fields along the Walloomsac River; feeding stations 35%, mixed woods 15%, open fields 50%).—Dec. 25; 7:30 a.m. to 4 p.m. Cloudy to 1 p.m., snow, 1 to 4; temp. 22° to 29°; no wind; open fields bare until 1, then 1 to 3 in. of snow. Thirteen observers in 8 parties. Total party-hours, 58 (54 on foot, 4 by car); total party-miles, 48 (10 on foot, 38 by car). Black Duck, 1; Am. Merganser, 11; Cooper's Hawk, 1; Sparrow Hawk, 2; Ruffed Grouse, 1; Hairy Woodpecker, 7; Downy Woodpecker, 6; Blue Jay, 14; Am. Crow, 12; Black-capped Chickadee, 31; White-breasted Nuthatch, 18; Brown Creeper, 1; Common Starling, 92; House Sparrow, 244; Evening Grosbeak, 25; Pine Grosbeak, 12; Am. Goldfinch, 7; Slate-colored Junco, 8; Am. Tree Sparrow, 8; Fox Sparrow, 1 (trapped and banded, the first Fox Sparrow in all our 40 counts). **Total,** 20 species; about 502 individuals. (Seen in area Dec. 24: Purple Finch, 1.)—Dorothy Barrow, Henrietta Barrow, Patricia Beck, Mrs. Fred Beecher, Erna Camradt, Catherine Foster, Thomas Foster, Stella Higgins, Margery Ludlow, Howard Nash, Joel C. R. Palmer, Dr. and Mrs. Lucretius H. Ross (compilers).

**28. Burlington, Vt.** (Waterfront from Lakeside to mouth of Winooski River, including Appletree Point; open lake and shore 80%, residential 4%, coniferous woods 10%, open fields 6%).—Dec. 30; 7:30 a.m. to 4:30 p.m. Cloudy, rain in p.m.; temp. 36° to 38°; wind SSW, 15-9 m.p.h.; snow melting rapidly, about 1 ft. on ground. Five observers, 4 together and 1 at feeding station. Total party-hours, 8 (6½ on foot, 1½ by car); total party-miles, 28 (7 on foot, 21 by car). Red-necked Grebe, 1; Horned Grebe, 5; Pied-billed Grebe, 1; Mallard, 3; Black Duck, 17; Am. Golden-eye, 168; Am. Scoter, 1; Am. Merganser, 35; Ring-necked Pheasant, 1; Herring Gull, 704; Ring-billed Gull, 1; Hairy Woodpecker, 4; Downy Woodpecker, 4; Blue Jay, 12; Am. Crow, 3; Black-capped Chickadee, 44; White-breasted Nuthatch, 9; Red-breasted Nuthatch, 3; Am. Robin, 1; Common Starling, 86; House Sparrow, 84; Evening Grosbeak, 30; Common Redpoll, 10; Am. Goldfinch, 2; Am. Tree Sparrow, 39; Song Sparrow, 4; Snow Bunting, 20. **Total,** 27 species; 1292 individuals. (Seen in area, Dec. 23: White-winged Scoter, 1; Great Black-backed Gull, 1; Purple Finch, 1; and Dec. 27: Red-breasted Merganser, 1; Pigeon Hawk, 1 [no details—Ed.]; Horned Lark, 3; Gray Shrike, 1; Lapland Longspur, 4)—E. V. P. Harwood, R. B. Lavallee, A. S. Reynolds, N. F. St. Jacques, M. L. Smith (compiler).

**29. Newbury, Vt.** (Route No. 5 from Wells River to Newbury with one mile of the open Connecticut River, and parts of the hills to the west; mixed woodland 40%, open fields 40%, village streets 20%).—Dec. 26; 9 a.m. to 4 p.m. Cloudy to 11, then clear; temp. 28° to 22°; wind NW, 25 m.p.h., diminishing to 5 m.p.h.; ground covered with 8-12 in. of snow (snowfall to Dec. 26: 37 in.). One observer. Total hours, 7 (6 on foot, 1 by car); total miles, 12 (6 on foot, 6 by car). Am. Golden-eye, 25; Am. Merganser, 6; Ruffed Grouse, 5; Horned Owl, 1; Hairy Woodpecker, 1; Downy Woodpecker, 1; Blue Jay, 8; Am. Crow, 3; Black-capped Chickadee, 34 (5 flocks); White-breasted Nuthatch, 4; Brown Creeper, 1; Common Starling, 4; House Sparrow, 14; Evening Grosbeak, 32; Am. Goldfinch, 1; Am. Tree Sparrow, 5. **Total,** 16 species; 146 individuals. Natural foods very scanty: a little Bitter-sweet, White Ash seeds, Larch cones, and a few on Hemlocks, none on other conifers. —Wendell P. Smith.

**30. Woodstock, Vt.** (Five-mile radius, north, south, east and west of village; open fields 27%, deciduous woodland 31%, hemlock and spruce woods 9%, village streets 33%).—Dec. 27; 7:30 a.m. to 4:30 p.m. Mostly clear; temp. 0° to 32°; wind W, 10-30 m.p.h.; ground covered with 8-in. snow. Thirty-one observers in 18 parties. Total party-hours, 71 (2 on foot, 5 by car, 64 at feeders); total party-miles, 55 (5 on foot, 50 by car). Ruffed Grouse, 3; Hairy Woodpecker, 6; Downy Woodpecker, 10; Blue Jay, 27; Am. Crow, 5; Black-capped Chickadee, 119; White-breasted Nuthatch, 24; Red-breasted Nuthatch, 1; House Sparrow, 66; Evening Grosbeak, 112; Pine Grosbeak, 10; Pine Siskin, 1; Am. Goldfinch, 4; Slate-colored Junco, 2; Am. Tree Sparrow, 41; Snow Bunting, 100. **Total,** 16 species; 531 individuals. (Seen in area, Dec. 20: Am. Merganser, 2; Goshawk, 1; Dec. 26: Am. Robin, 1; Dec. 28: Common Starling, 1 [very scarce here]).—Mrs. Edwin Bates, Mrs. Don Blake, Mrs. Elba Buckman, Mrs. Preston Cole, Mrs. Earl Crane, Mrs. Philip Cummings, Sarah Cummings, Cornelia Cummings, Alice L. Eaton, Mr. and Mrs. T. S. Fillebrown, Mr. and Mrs. W. Y. Fillebrown, Mrs. T. H. Gray, Mr. and Mrs. H. C. Holt, Mrs. Danforth Lovell, John Lovell, Mr. and Mrs.

Richard Marble, Hilda Robinson, Mr. and Mrs. E. C. Taylor, Mr. and Mrs. E. C. Taylor, Jr., Mrs. A. E. Thomas, Eunice Townsend, Lillian Townsend, Mrs. C. A. Williams, Mr. and Mrs. Blinn F. Yates.

31. **Belmont, Mass.** (including Fresh Pond in Cambridge, same area as previous 17 years; pasture 10%, deciduous woodland 25%, coniferous woodland 10%, marshland 15%, residential 40%).—Dec. 28; 7:30 a.m. to 4:30 p.m. Clear; temp. –3° to 20°; wind SW, 5-10 m.p.h.; 2-4 in. of slightly crusted snow; ponds frozen except two pools. Seventeen observers in 9 parties. Total party-hours, 38 (25 on foot, 4 by car, 9 at feeding stations); total party-miles, 50 (26 on foot, 24 by car). Mallard, 124; Black Duck, 31; Am. Widgeon, 7; Cooper's Hawk, 1; Red-shouldered Hawk, 2; Sparrow Hawk, 6; Ring-necked Pheasant, 11; Great Black-backed Gull, 8; Herring Gull, 421; Yellow-shafted Flicker, 4; Hairy Woodpecker, 6; Downy Woodpecker, 22; Blue Jay, 39; Am. Crow, 46; Black-capped Chickadee, 131; White-breasted Nuthatch, 17; **Red-breasted Nuthatch,** 12; Brown Creeper, 7; Am. Robin, 1; Golden-crowned Kinglet, 5; Cedar Waxwing, 9; Common Starling, 195; House Sparrow, 102; **Evening Grosbeak,** 20; Purple Finch, 43; **Pine Grosbeak,** 24 (highest since 1906); Am. Goldfinch, 55; Savannah Sparrow, 1 (3rd local winter record); Slate-colored Junco, 55; Am. Tree Sparrow, 12; White-throated Sparrow, 10; Swamp Sparrow, 1; Song Sparrow, 8. **Total,** 33 species; 1436 individuals. (Seen in area Dec. 24: Gadwall 1, Pintail 1, Green-winged Teal 1, Am. Golden-eyes, Am. Mergansers, Goshawk 1; and Dec. 29: Hermit Thrush.)—Campbell Bosson, Mr. and Mrs. Harold I. Brown, Mrs. William H. Claflin, 3rd, Mrs. Francis W. Davis, George Drew, Mrs. Rachel Drew, Mrs. Hervey B. Elkins, Ivan Getting, George T. Jenks, Jeoffrey Lord, William Mostrom, Mr. and Mrs. Samuel D. Robbins (compiler), Mrs. Fletcher Watson, Mr. and Mrs. K. L. Zerbe.

32. **Cape Ann, Mass.** (same area as last year).—Dec. 23; 8 a.m. to 4 p.m. Clear to cloudy; temp. 20° to 35°; wind SE to SW, 8-10 m.p.h.; ground bare; ponds partly frozen. Thirty-six observers in 11 parties. Total party-hours, 80 (15 on foot, 65 by car); total party-miles, 280 (30 on foot, 250 by car). Common Loon, 11; Red-throated Loon, 2; Horned Grebe, 53; Pied-billed Grebe, 1 (H.W.P., H.T.W.); Gannet, 45; European Cormorant, 140; Canada Goose, 4; Mallard, 2; Black Duck, 1042; Greater Scaup, 43; Lesser Scaup, 1 (C.R.M.); Am. Golden-eye, 773; Barrow's Golden-eye, 1; Buffle-head, 102; Old-squaw, 347; Common Eider, 16; White-winged Scoter, 56; Surf Scoter, 25; Am. Scoter, 1; Red-breasted Merganser, 268; Red-tailed Hawk, 1; Red-shouldered Hawk, 3; Rough-legged Hawk, 1; Marsh Hawk, 3; Sparrow Hawk, 3; Ring-necked Pheasant, 10; Purple Sandpiper, 93; Sanderling, 3; Glaucous Gull, 1; Iceland Gull, 2; Great Black-backed Gull, 221; Herring Gull, 3991; Black-legged Kittiwake, 1; Razor-billed Auk, 8; Dovekie, 7; Black Guillemot, 9; Mourning Dove, 27; Belted Kingfisher, 1; Yellow-shafted Flicker, 26; Hairy Woodpecker, 5; Downy Woodpecker, 22; Horned Lark, 17; Blue Jay, 80; Am. Crow, 185; Black-capped Chickadee, 351; White-breasted Nuthatch, 22; Red-breasted Nuthatch, 25; Brown Creeper, 6; Catbird, 2; Brown Thrasher, 1; Am. Robin, 1; Golden-crowned Kinglet, 9; Cedar Waxwing, 30; Gray Shrike, 1; Common Starling, 1196; Myrtle Warbler, 495; Pine Warbler, 1; House Sparrow, 375; Eastern Meadowlark, 19; Purple Grackle (Bronzed), 1; Brown-headed Cowbird, 6; Evening Grosbeak, 117; Purple Finch, 89; Pine Grosbeak, 33; Pine Siskin, 103; Am. Goldfinch, 70; Savannah Sparrow, 2; Slate-colored Junco, 99; Am. Tree Sparrow, 87; White-throated Sparrow, 5; Fox Sparrow, 5; Song Sparrow, 30; Snow Bunting, 5. **Total,** 73 species; 10,839 individuals. (A Red-necked Grebe was seen on Dec. 27 and 29; an Am. Bittern, Dec. 25; a Kumlien's Iceland Gull, Dec. 29; an Eastern Towhee, Dec. 22; and several Red Crossbills, Dec. 27.)—J. W. Bagnulo, Wallace Bailey, Helen Bequaert, Mr. and Mrs. Frank Boot, Frances Burnett, Geoffrey Carleton, Eric Cutler, Maxwell Foster, Robert L. Grayce, Winthrop W. Harrington, Jr., Richard M. Hinchman, Mr. and Mrs. Lee Jameson, James T. Kelly, Ralph Lawson, Bert Leadbeater, Nason Lightman, Mr. and Mrs. George Loring, C. Russell Mason, Harriet Parker, Herbert W. Pratt, Mrs. Virginia Prince, William Rice, Marius A. Robinson, Mrs. Wm. H. Robinson, Frank Rohrbacher, Dorothy E. Snyder, Roderick Somers, Jeffrey Thomas, Leonard Wardwell, Ruth Wheelwright, Andrew B. Wier, Henry T. Wiggin, Ivan H. Witte.

33. **Cape Cod, Mass.** (parts of Chatham, Brewster, Orleans, and Eastham; same routes as previous years).—Dec. 30; one hour before dawn to one hour after dusk. Partly foggy early a.m., clearing shortly after noon; overcast, light SE wind; temp. 38° to 52°; ground bare, marshes partly frozen, ponds open. Thirty-two observers in 5 parties. Total party-hours, 52 (15 on foot, 37 by car); total party-miles, 320 (23 on foot, 297 by car). Common Loon, 36; Red-throated Loon, 27; Horned Grebe, 20; Pied-billed Grebe, 7; Gannet, 6; European Cormorant, 1; Great Blue Heron, 13; Black-crowned Night Heron, 2; Am. Bittern, 2; Canada Goose, 6670; Brant, 1017; Mallard, 2; Black Duck, 2131; Am. Widgeon, 14; Green-winged Teal, 9; Shoveller, 1 (L.G.); Redhead, 1; Ring-necked Duck, 12; Canvas-back, 3; Greater Scaup, 105; Lesser Scaup, 59; Am. Golden-eye, 634; Buffle-head, 180; Old-squaw, 210; Harlequin Duck, 2 (L.S.); Common Eider, 250; White-winged Scoter, 488; Surf Scoter, 1; Am. Scoter, 31; Ruddy Duck, 45; Hooded Merganser, 6; Am. Merganser, 1128; Red-breasted Merganser, 434; Sharp-shinned Hawk, 3; Cooper's Hawk, 1; Red-tailed Hawk, 3; Bald Eagle, 2; Marsh Hawk, 9; Peregrine Falcon, 1 (A.H.M.); Sparrow Hawk, 13; Ruffed Grouse, 1; Bob-white, 61; King Rail, 1 (found dead); Clapper Rail, 5; Virginia Rail, 3; Am. Coot, 25; Piping Plover, 1 (A.H.M., R.F., R.S.); Black-bellied Plover, 2; Wilson's Snipe, 2; Greater Yellow-legs, 1; Lesser Yellow-legs, 1 (C.M.C., R.E.); Red-backed Sandpiper, 700; Sanderling, 212; Great Black-backed Gull, 201; Herring Gull, 3095; Ring-billed Gull, 187;

Little Gull, 1 (A.H.M.); Bonaparte's Gull, 1 (N.P.H.); Black-legged Kittiwake, 1; Razor-billed Auk, 2; Brünnich's Murre, 1; Dovekie, 1 (dead); Puffin, 1 (N.P.H.); Mourning Dove, 3; Horned Owl, 1 (N.P.H.); Belted Kingfisher, 5; Yellow-shafted Flicker, 123; Downy Woodpecker, 14; Horned Lark, 232 (Northern, 231; Prairie, 1); Blue Jay, 71; Am. Crow, 283; Black-capped Chickadee, 421; White-breasted Nuthatch, 1; Red-breasted Nuthatch, 17; Brown Creeper, 2; Winter Wren, 1; Long-billed Marsh Wren, 7; Catbird, 5; Am. Robin, 39; Hermit Thrush, 3; Eastern Bluebird, 110; Golden-crowned Kinglet, 30; Common Starling, 2855; Myrtle Warbler, 1376; Pine Warbler, 8; Palm Warbler (Western), 9; House Sparrow, 139; Eastern Meadowlark, 74; Evening Grosbeak, 50; Purple Finch, 5; Pine Grosbeak, 3; Pine Siskin, 132; Am. Goldfinch, 74; Red Crossbill, 1; Eastern Towhee, 2; Ipswich Sparrow, 1; Savannah Sparrow, 26; Sharp-tailed Sparrow, 1 (A.H.M.); Seaside Sparrow, 4; Slate-colored Junco, 36; Am. Tree Sparrow, 135; Field Sparrow, 2; White-throated Sparrow, 6; Fox Sparrow, 2; Swamp Sparrow, 64; Song Sparrow, 78; Lapland Longspur, 6; Snow Bunting, 156. **Total,** 108 species (1 additional subspecies); 24,698 individuals. (1 Short-eared Owl seen in area, Dec. 29; 1 Rough-legged Hawk and 1 Black Guillemot, Dec. 31.)—Phoebe Arnold, Eleanor Barry, Mr. and Mrs. John Beattie, Francis Burnett, Fred A. Bryant, Mr. and Mrs. Charles M. Crain, John D. Curtis, Richard Eaton, Ruth P. Emery, Robert Fox, David Gooding, Ludlow Griscom, Betty Guillow, Mr. and Mrs. Henry Halberg, Norman P. Hill, Mr. and Mrs. Daniel P. Johnson, James T. Kelly, Mr. and Mrs. C. Russell Mason, Rosario Mazzeo, Allan H. Morgan, Henry M. Parker, Robert Smart, Lawrence Smith, Dorothy Snyder, Ruth Wheelwright, Margaret Witt, Robert Wood.

**34. Greenfield, Mass.** (7½-mile radius centering on race track at Franklin County Fair Grounds, Greenfield; meadows 10%, plowed land 5%, populated areas 20%, woodlands 60%, marsh lands 5%).—Dec. 30; 8 a.m. to 3:30 p.m. Ice, rain, fog; temp. 30° to 40°; wind NW, 5-10 m.p.h.; 2 feet of snow, most water-areas frozen. Twenty-one observers in 11 parties. Total party-hours, 50 (17 on foot, 33 by car); total party-miles, 215 (30 on foot, 185 by car). Black Duck, 2; Am. Golden-eye, 10; Am. Merganser, 14; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 1; Red-shouldered Hawk, 1; Bald Eagle, 1; Sparrow Hawk, 2; Ruffed Grouse, 8; Ring-necked Pheasant, 8; Wilson's Snipe, 2 (wintering at a springy place in Greenfield, as in two previous winters); Herring Gull, 5; Horned Owl, 1; Barred Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 1; Pileated Woodpecker, 5; Hairy Woodpecker, 15; Downy Woodpecker, 43; Horned Lark (Northern), 1; Blue Jay, 417; Am. Crow, 243; Black-capped Chickadee, 322; White-breasted Nuthatch, 70; Red-breasted Nuthatch, 1; Brown Creeper, 4; Am. Robin, 1; Golden-crowned Kinglet, 6; Gray Shrike, 1; Common Starling, 1229; House Sparrow, 579; Evening Grosbeak, 260; Pine Grosbeak, 50; Am. Goldfinch, 11; Slate-colored Junco, 146; Am. Tree Sparrow, 128; White-crowned Sparrow, 1 (resident in Sunderland since Dec. 18); Song Sparrow, 11; Snow Bunting, 4. **Total,** 40 species; 3608 individuals.—Mrs. N. M. Allis, W. T. Arms, J. L. Bagg, B. Boyden, Mr. and Mrs. H. W. Clark, F. J. Fuchs, C. E. Hamilton, Mr. and Mrs. W. A. Jones, P. Kemp, Mr. and Mrs. W. C. Kurtz, Mr. and Mrs. A. J. Leary, G. F. Newell, E. Norman, C. W. Reed, C. S. Rockwood, G. A. Weeks (compiler), Mrs. P. F. Whitmore.

**35. Holyoke, Mass.** (as in 1936 and subsequent years).—Dec. 30; 7 a.m. to 4:30 p.m. Overcast, foggy; temp. 34° to 40°; calm; ground covered with 6-12 in. of snow. Five observers in 4 parties. Total party-hours, 22 (14 on foot, 8 by car); total party-miles, 90 (10 on foot, 80 by car). Black Duck, 190; Green-winged Teal, 1; Am. Golden-eye, 30; Am. Merganser, 215; Sharp-shinned Hawk, 1; Red-shouldered Hawk, 4; Bald Eagle, 1; Sparrow Hawk, 4; Ring-necked Pheasant, 15; Herring Gull, 84; Hairy Woodpecker, 4; Downy Woodpecker, 8; Blue Jay, 31; Am. Crow, 1500±; Black-capped Chickadee, 26; White-breasted Nuthatch, 3; Brown Creeper, 1; Golden-crowned Kinglet, 5; Common Starling, 750±; House Sparrow, 500±; Evening Grosbeak, 1; Am. Goldfinch, 10; Slate-colored Junco, 33; Am. Tree Sparrow, 48; White-throated Sparrow, 3. **Total,** 25 species; about 3468 individuals. (Seen in area Dec. 26: Red-breasted Nuthatch, 1; Song Sparrow, 2. Dec. 29: Horned Lark, 30; Snow Bunting, 30. Dec. 31: Great Blue Heron, 1; Wood Duck, ♀; Pine Grosbeak, 12. Furthermore, on Dec. 29 a Yellow-billed Cuckoo in Agawam was identified by Lois J. Hussey and Catherine M. Pessino from the Am. Museum of Natural History, New York City.)—A. M. Bagg (compiler), E. P. Bagg, Helen M. Bagg, V. S. Bagg, Sabina Netkovick.

**36. Lynn, Mass.** (7½-mile radius from Wyoma Sq., Lynn, including Lynn, Saugus, Nahant, Swampscott, Marblehead, Salem, part of Beverly, Danvers, Peabody, Lynnfield, Reading, Wakefield; mixed woodland 50%, residential 10%, farm and pasture 20%, marshes and seashore 20%).—Dec. 29; 8 a.m. to 4 p.m. Cloudy, cold, some snow; temp. 35°; wind NE, 15-20 m.p.h.; ground covered with 2-3 in. of snow; ponds frozen. Twenty-two observers in 6 parties. Total party-hours, 38 (14 on foot, 24 by car); total party-miles, 88 (15 on foot, 73 by car). Common Loon, 16; Red-throated Loon, 2; Red-necked Grebe, 2; Horned Grebe, 28; Pied-billed Grebe, 1; European Cormorant, 142; Mallard, 5; Black Duck, 571; Pintail, 2; Greater Scaup, 618; Am. Golden-eye, 264; Barrow's Golden-eye, 1 (in Lynn Harbor since mid-Dec.); Buffle-head, 339; Old-squaw, 56; White-winged Scoter, 93; Am. Scoter, 2; Red-breasted Merganser, 129; Sparrow Hawk, 10; Ring-necked Pheasant, 5; Purple Sandpiper, 77; Great Black-backed Gull, 52; Herring Gull, 2880; Ring-billed Gull, 20; Yellow-shafted Flicker, 10; Hairy Woodpecker, 6; Downy Woodpecker, 17; Blue Jay, 153; Am. Crow, 102; Black-capped Chickadee, 132; White-breasted Nuthatch, 19; Red-breasted Nuthatch, 7; Brown Creeper, 14; Catbird, 2 (L.T.J.); Am. Robin, 24; Golden-crowned

Kinglet, 1; Common Starling, 1150; Myrtle Warbler, 41; House Sparrow, 260; Eastern Meadowlark, 9; Cardinal, 1; Dickcissel, 1; Evening Grosbeak, 101; Purple Finch, 42; Pine Grosbeak, 38; Pine Siskin, 1; Am. Goldfinch, 25; Eastern Towhee, 3 (at 3 places); Savannah Sparrow, 1; Slate-colored Junco, 86; Oregon Junco, 1; Am. Tree Sparrow, 60; White-throated Sparrow, 15; Fox Sparrow, 1; Swamp Sparrow, 2; Song Sparrow, 29; Snow Bunting, 38. **Total,** 56 species; 7708 individuals. (The Dickcissel, ♀ Oregon Junco and ♀ Cardinal had all been at one feeder in Peabody throughout December.)—Mrs. Donald Alexander, Mr. and Mrs. Arthur W. Argue, Charles Bicking, Bernetta Boot, Irving Burr, J. Court, Charles Ewing, Mrs. Hines, Alice Hanson, Robert Hogg, Mr. and Mrs. Lee T. Jameson, J. Joy, J. T. Kelly (compiler), H. S. Lewis, L. T. Little, L. McCarthy, Ellen Riggs, R. Talbot, B. W. Tarr, Kenneth Taylor (Brookline Bird Club).

37. **Monomoy Point, Mass.** (including shoals to 7½ miles east and south of Point).—Dec. 29; 9:30 a.m. to 3:30 p.m. Partly cloudy; temp. 35° to 40°; wind SE, 10 m.p.h.; ocean smooth. Six observers in 1 party, going 40 miles by boat. Common Loon, 8; Red-throated Loon, 13; Horned Grebe, 9; Gannet, 3; Great Blue Heron, 3; Canada Goose, 140; Black Duck, 300; Am. Widgeon, 16; Pintail, 1; Greater Scaup, 4; Am. Golden-eye, 150; Buffle-head, 225; Old-squaw, 300; Harlequin Duck, 1; Common Eider, 500,000; White-winged Scoter, 12,000; Surf Scoter, 3; Am. Scoter, 100; Red-breasted Merganser, 15; Sparrow Hawk, 1; Sanderling, 17; Great Black-backed Gull, 25; Herring Gull, 500; Ring-billed Gull, 4; Black-legged Kittiwake, 3; Razor-billed Auk, 3; Horned Lark, 65; Am. Crow, 12. **Total,** 28 species; about 513,921 individuals.—Harold Claflin, Richard J. Eaton, Ludlow Griscom, Norman P. Hill, Rosario Mazzeo, Robert W. Smart.

38. **Newburyport, Mass.** (same circle as last 12 years).—Dec. 23; dawn to 5:30 p.m. Partly cloudy; temp. 20° to 30°; wind NW, 15-20 m.p.h.; ground practically bare. Twenty-eight observers in 8 parties. Total party-hours, 64 (24 on foot, 40 by car); total party-miles, 265 (35 on foot, 230 by car). Common Loon, 29; Red-throated Loon, 13; Red-necked Grebe, 91; Horned Grebe, 297; Gannet, 10; European Cormorant, 2; Great Blue Heron, 2; Canada Goose, 43; Mallard, 7; Black Duck, 2639; Pintail, 1; Green-winged Teal, 3; Greater Scaup, 1412; Am. Golden-eye, 629; Buffle-head, 658; Old-squaw, 903; Common Eider, 63; White-winged Scoter, 93; Surf Scoter, 2; Am. Merganser, 18; Red-breasted Merganser, 401; Sharp-shinned Hawk, 2; Cooper's Hawk, 1; Red-tailed Hawk, 1; Red-shouldered Hawk, 1; Broad-winged Hawk, 1 (E.P.F.) [no details—Ed.]; Rough-legged Hawk, 1; Bald Eagle, 2; Marsh Hawk, 7; Peregrine Falcon, 1; Sparrow Hawk, 6; Ruffed Grouse, 7; Ring-necked Pheasant, 35; Wilson's Snipe, 2 (two places); Purple Sandpiper, 3; Red-backed Sandpiper, 24; Iceland Gull, 1; Great Black-backed Gull, 65; Herring Gull, 1651; Ring-billed Gull, 40; Bonaparte's Gull, 286; Black-legged Kittiwake, 46 (L.G.); Razor-billed Auk, 7; Mourning Dove, 10; Screech Owl, 1; Snowy Owl, 2; Short-eared Owl, 1; Belted Kingfisher, 4; Yellow-shafted Flicker, 21; Hairy Woodpecker, 12; Downy Woodpecker, 29; Eastern Phoebe, 1 (E.G.B.); Horned Lark, 15; Blue Jay, 281; Am. Crow, 727; Black-capped Chickadee, 574; White-breasted Nuthatch, 27; Red-breasted Nuthatch, 17; Brown Creeper, 15; Mockingbird, 1; Am. Robin, 21; Golden-crowned Kinglet, 32; Ruby-crowned Kinglet, 1; Cedar Waxwing, 11; Gray Shrike, 1; Common Starling, 2204; Myrtle Warbler, 93; House Sparrow, 359; Eastern Meadowlark, 16; Purple Grackle (Bronzed), 5; Evening Grosbeak, 368; Purple Finch, 51; Pine Grosbeak, 114; Pine Siskin, 154; Am. Goldfinch, 135; Ipswich Sparrow, 2; Slate-colored Junco, 245; Oregon Junco, 2; Am. Tree Sparrow, 190; Field Sparrow, 4; White-throated Sparrow, 21; Fox Sparrow, 2; Swamp Sparrow, 1; Song Sparrow, 43; Snow Bunting, 133. **Total,** 85 species; 15,452 individuals. (Added, Dec. 27: Harlequin Duck, ♂; Hooded Merganser, 4; Goshawk, 1; Black-headed Gull, 1; Lapland Longspur, 13.)—C. E. Addy, Mr. and Mrs. D. C. Alexander, Mr. and Mrs. Arthur Argue, James Baird, Eleanor G. Barry, Mr. and Mrs. John I. Beattie, Katherine Curtis, William E. Davis, William E. Davis, Jr., Clara deWindt, Frances Elkins, Kimball Elkins, Ruth Emery, Mr. and Mrs. Elmer P. Foye, Herbert Fields, Ludlow Griscom, Dr. Norman P. Hill, Dr. and Mrs. Stephen Maddock, Judy Maddock, G. T. Nightingale, Elwood Stanwood, Katherine Tousey, Robert Wood.

39. **Northampton, Mass.** (same circle as in last 17 years; most time spent in farm areas).—Dec. 23; 7 a.m. to 4:30 p.m. Fair; temp. 25°; wind WNW, very light; ground covered with 10-in. crusted snow; water frozen except a few pools in the Connecticut River. Sixty-three observers, 39 at or near their homes, 24 afield in 14 parties, 8 with cars, 6 on foot. Mallard, 9; Black Duck, 200; Am. Golden-eye, 9; Am. Merganser, 13; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; buteo (probably Red-tailed Hawk), 1; Sparrow Hawk, 6; Ruffed Grouse, 7; **Ring-necked Pheasant,** 84 (compelled by the crusted snow to congregate at feeding-places); Herring Gull, 5; **Mourning Dove,** 16 (two flocks); Screech Owl, 1; Horned Owl, 1; Barred Owl, 1; Yellow-shafted Flicker, 1; Pileated Woodpecker, 3; Hairy Woodpecker, 34; Downy Woodpecker, 89; Horned Lark, 323 (including 5 Hoyt's, white-browed but too big for Prairie—Smart); Blue Jay, 372; Am. Crow, 479; Black-capped Chickadee, 518; White-breasted Nuthatch, 99; Red-breasted Nuthatch, 9; Brown Creeper, 8; Winter Wren, 1; Am. Robin, 3; Golden-crowned Kinglet, 10; Cedar Waxwing, 7; Gray Shrike, 1; Common Starling, 1117; House Sparrow, 1112; Eastern Meadowlark, 4; **Bullock's Oriole,** 1 (a first-year male at a feeder in Florence, Nov. 17-Jan. 1); Purple Grackle (presumably Bronzed), 1; **Brown-headed Cowbird,** 42 (3 places); **Cardinal,** 1 (♂ in Amherst since Nov. 27); Evening Grosbeak, 416; Purple Finch, 16; Pine Grosbeak, 46; Pine Siskin, 2; Am. Goldfinch, 110; Eastern Towhee, 1 (♀ at an Easthampton feeder until Dec. 27); Slate-colored Junco,

378; **Oregon Junco,** 1 (a bright male in Northhampton, Dec. 20 on); Am. Tree Sparrow, 483; White-throated Sparrow, 28; Song Sparrow, 18; Snow Bunting, 5. **Total,** 50 species (1 additional subspecies); 6096 individuals. (Also, until Dec. 20, Ruby-crowned Kinglet, 1. Increased attention to farmsteads probably accounts for unusual numbers of pheasants, doves, larks (on manured snow), starlings, House Sparrows, and cowbirds at piggeries.)—Mrs. Howard Alcorn, J. L. Bagg, Mrs. Malcolm Bagg, Mrs. Theodore Baird, L. M. Bartlett, Mrs. R. A. Beebe, Glenn Bennett, Elizabeth Boyd, J. E. Cavanagh, Sr. and Jr., R. M. Clark, R. L. Coffin, Isabelle Connor, D. H. Crompton, S. A. Eliot (compiler), Mrs. R. W. Fessenden, R F. French, Dwight and John Graves, Cora B. Grover, Mrs. W. S. Hawley, Mrs. Joseph Hobbs, Elizabeth W. Hooker, Paul Kemp, Mrs. J. F. Kentfield, Mrs. Leroy King, Mrs. Stanley King, A. S. Kinney, Donald LaCroix, Mrs. S. P. Lamprecht, Mrs. H. B. Lang, Mrs. C. D. Livermore, J. J. Madeira, Mrs. Harold Martin, Mrs. A. J. Miller, Mrs. C. H. Morgan, Mrs. Overton Myers, W. B. Nutting, L. B. Packard, Esther J. Pollard, Mary T. Pomeroy, Mrs. Homer Preston, Mrs. C. P. Richardson, Mr. and Mrs. D. A. Riedel, Arthur Ryan, F. A. Saunders, Marie J. Schurr, Mr. and Mrs. B. M. Shaub, R. W. Smart, Mrs. Lovell Smith, Mr. and Mrs. E. C. Staples, L. Stevenson, W. R. Torrey, Mrs. George Tyler, Mrs. Seth Wakeman, J. A. Watrous, G. A. Weeks, Mrs. W. S. Welles, Mrs. P. L. Wheelock, A. L. Williams.

**40. Pittsfield, Mass.** (7½-mile radius covering all sides of the city, from Wood Pond in south to Berkshire in north).—Dec. 29; 8 a.m. to 4 p.m. Cloudy; temp. 28° to 30°; wind light, 0-5 m.p.h.; 4 to 8-in. snow; most fresh water frozen. Eighteen observers: 7 in 2 parties, and 11 at feeding stations. Total party-hours, 56 (48 on foot and at home, 8 by car); total party-miles, 130 (4 on foot, 126 by car). Ring-necked Pheasant, 1; Hairy Woodpecker, 7; Downy Woodpecker, 21; Blue Jay, 16; Am. Crow, 18; Black-capped Chickadee, 105; White-breasted Nuthatch, 18; Red-breasted Nuthatch, 1; Brown Creeper, 2; Common Starling, 225; House Sparrow, 47+; Cardinal, 2; Evening Grosbeak, 79; Pine Grosbeak, 25; Common Redpoll, 3; Pine Siskin, 1; Slate-colored Junco, 29; Am. Tree Sparrow, 87; Song Sparrow, 1. **Total,** 19 species; 688+ individuals.—Mrs. E. J. Allen, Mrs. Harold Almstead, S. Waldo Bailey, Edna Dunbar, Mr. and Mrs. Elmore J. Fitz, Stan Fulton, Bartlett Hendricks, Mrs. James Keith, Mrs. Donald Kitchin, Mrs. D. D. MacCarthy, Saul Minneci, Emma Shepardson, Mrs. L. C. Sweitzer, Alvah W. Sanborn, Mrs. John A. Vreeland, Jr., Gladys and Ruth Schumacher (Hoffman Bird Club).

**41. Provincetown, Mass.** (north end of Cape Cod, including towns of Truro and Wellfleet).—Dec. 29; 8:30 a.m. to 4:30 p.m. Cloudy; temp. 40° to 45°; wind SSW, 5-8 m.p.h.; ground almost bare, ponds lightly frozen. Seven observers in 3 parties. Total party-hours, 24 (7 on foot, 17 by car); total party-miles, 90 (15 on foot, 75 by car). Common Loon, 18; Red-throated Loon, 6; Red-necked Grebe, 1; Horned Grebe, 13; Pied-billed Grebe, 5; Gannet, 5; Great Blue Heron, 5; Black-crowned Night Heron, 2; Canada Goose, 3; Mallard, 2; Black Duck, 332; Redhead, 1; Ring-necked Duck, 2; Am. Golden-eye, 99; Buffle-head, 36; Old-squaw, 30; Common Eider, 160; White-winged Scoter, 174; Am. Scoter, 2; Hooded Merganser, 1; Am. Merganser, 9; Red-breasted Merganser, 80; Sharp-shinned Hawk, 1; Red-tailed Hawk, 4; Marsh Hawk, 6; Sparrow Hawk, 7; Ring-necked Pheasant, 4; Clapper Rail, 1; Virginia Rail, 1; Am. Coot, 2; Great Black-backed Gull, 151; Herring Gull, 1312; Ring-billed Gull, 80; Razor-billed Auk, 1; Yellow-shafted Flicker, 45; Downy Woodpecker, 2; Horned Lark, 7; Blue Jay, 18; Am. Crow, 118; Black-capped Chickadee, 64; Red-breasted Nuthatch, 2; Long-billed Marsh Wren, 1; Catbird, 1; Am. Robin, 8; Eastern Bluebird, 2; Gray Shrike, 1; Common Starling, 660; Myrtle Warbler, 830; House Sparrow, 90; Eastern Meadowlark, 4; Pine Siskin, 84; Am. Goldfinch, 13; Savannah Sparrow, 2; Seaside Sparrow, 1; Slate-colored Junco, 5; Am. Tree Sparrow, 20; Swamp Sparrow, 8; Song Sparrow, 16; Snow Bunting, 73. **Total,** 59 species; about 4631 individuals.—Eleanor Barry, Fred Bryant, Charles M. Crain (compiler), Annalill Crain, Ruth B. Emery, Robert Fox, Robert Wood.

**42. Quincy, Mass.** (same as last year).—Dec. 22; 7 a.m. to 5 p.m. Clear; temp. 30° to 45°; wind SW to NW, 20 m.p.h.; ground bare, fresh water ponds frozen. Fourteen observers in 4 parties. Total party-hours, 36 (18 on foot, 18 by car); total party-miles, 214 (19 on foot, 195 by car). Common Loon, 5; Red-throated Loon, 4; Red-necked Grebe, 1; Horned Grebe, 3; European Cormorant, 39; Great Blue Heron, 1; Black-crowned Night Heron, 12; Mallard, 13; Black Duck, 935; **European Widgeon,** 1 (R.B., R.E., S.H.); Pintail, 2; Greater Scaup, 6928; Am. Golden-eye, 1561; Buffle-head, 90; Old-squaw, 39; **Harlequin Duck,** 1 (R.B., R.E., S.H.); Common Eider, 1; White-winged Scoter, 788; Surf Scoter, 10; Am. Scoter, 4; Red-breasted Merganser, 1110; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 1; Red-shouldered Hawk, 1; Rough-legged Hawk, 1; Peregrine Falcon, 1; **Pigeon Hawk,** 1 (R.M., J.P., D.W., G.W.); Sparrow Hawk, 5; Ring-necked Pheasant, 2; **Greater Yellow-legs,** 1 (R.A., R.F., J.H., W.S.); Purple Sandpiper, 40; Great Black-backed Gull, 47; Herring Gull, 17,825; Ring-billed Gull, 3; Bonaparte's Gull, 2; Mourning Dove, 2; **Barn Owl,** 1 (R.M., J.P., D.W., G.W.); Short-eared Owl, 1; Yellow-shafted Flicker, 21; Hairy Woodpecker, 2; Downy Woodpecker, 10; Horned Lark, 50; Blue Jay, 112; Am. Crow, 56; Black-capped Chickadee, 112; White-breasted Nuthatch, 5; Red-breasted Nuthatch, 5; Brown Creeper, 3; Long-billed Marsh Wren, 1; Catbird, 1; Am. Robin, 1; Golden-crowned Kinglet, 2; Gray Shrike, 1; Common Starling, 50,000; Myrtle Warbler, 10; House Sparrow, 587; Eastern Meadowlark, 20; Evening Grosbeak, 30; Purple Finch, 4; Pine Grosbeak, 10; Am. Goldfinch, 28; Savannah Sparrow, 7; **Sharp-tailed Sparrow,** 1 (G.A., L.L., J.O'R.); Slate-colored Junco, 73; Am. Tree Sparrow, 42; Field Sparrow, 1;

White-throated Sparrow, 10; Song Sparrow, 22; Snow Bunting, 3. **Total,** 70 species; 80,715 individuals. The six rarities in bold-face type are well authenticated—Ed.—Gertrude Allen, Robert Atkinson, Rollin Bailey, Ruth P. Emery, Robert Fox, S. Higginbotham (compiler), John Howland, Louise Lee, Robert Murano, Jane O'Reagan, Joseph Piper, Walter Smith, Donald West, George Wilson (South Shore Bird Club).

43. **Ware, Mass.** (center of town east to Hardwick; south on Ware River to Palmer Airport; along Muddy Brook to Hardwick Pond; southeast to Warren and West Brookfield; lower and middle Quabbin Reservoir and watershed; town gardens 5%, farmland 20%, woodland 15%, marsh 20%, reservoirs and watershed 40%).—Dec. 30; 7 a.m. to 4 p.m. Overcast; temp. 40° to 45°; wind variable, 1-7 m.p.h.; ground covered with 2-4 in. of snow. Twenty-one observers in 6 parties. Total party-hours, 49 (38 on foot, 11 by car); total party-miles, 70 (55 on foot, 15 by car). Common Loon, 1; Mallard, 5; Black Duck, 89; Hooded Merganser, 6; Am. Merganser, 36; Red-tailed Hawk, 1; Bald Eagle, 1; Ruffed Grouse, 15; Ring-necked Pheasant, 8; Iceland Gull, 1 (L.A.C.—frequent, last winter); Herring Gull, 38; Horned Owl, 4; Barred Owl, 3; Hairy Woodpecker, 6; Downy Woodpecker, 16; Eastern Phoebe, 1 (J.H.C.); Blue Jay, 141; Am. Crow, 103; Black-capped Chickadee, 238; White-breasted Nuthatch, 27; Red-breasted Nuthatch, 3; Brown Creeper, 14; Golden-crowned Kinglet, 18; Common Starling, 573; House Sparrow, 186; Dickcissel, 1 (L.A.C., N.A.D.); Evening Grosbeak, 277; Purple Finch, 8; Pine Grosbeak, 24; Common Redpoll, 50; Pine Siskin, 30; Am. Goldfinch, 3; Slate-colored Junco, 31; Am. Tree Sparrow, 108; Song Sparrow, 5; Snow Bunting, 8. **Total,** 36 species; 2079 individuals. (Seen in area Dec. 23: Gray Shrike, 1; Dec. 24: Great Black-backed Gull, 1.)—L. G. Albertine, L. G. Albertine, Jr., M. E. Albertine, S. T. Berube, W. H. Berube, L. A. Campbell, L. E. Campbell, L. M. Campbell, N. Campbell, D. D. Conkey, J. H. Conkey, N. A. Descoteaux, M. S. Descoteaux, M. Granger, D. Lussier, L. R. Marland, J. F. Nields, Jr., M. B. Nields, D. K. Sampson, E. C. Sampson, M. Thresher (Quabbin Bird Club).

44. **Worcester, Mass.** (with parts of Boylston and West Boylston; shore-line 50%, feeding-stations 40%, woods 10%).—Dec. 27; 8:10 a.m. to 4:15 p.m. Fair; temp. 21°; wind WNW, 25 m.p.h.; ground covered with 8-in. snow; ponds 65% open, Wachusett Reservoir 75% open. Two observers in 1 party, going 62 miles by car, ½ mile on foot. Mallard, 46; Black Duck, 148; Mallard x Black hybrid, 6; Canvas-back, ♂ (in southern Worcester, Dec. 26-29); Am. Golden-eye, 1; Am. Merganser, 44; Ruffed Grouse, 3; Herring Gull, 15; Mourning Dove, 7; Belted Kingfisher, 1; Downy Woodpecker, 1; Blue Jay, 18; Am. Crow, 14; Black-capped Chickadee, 39; White-breasted Nuthatch, 3; Red-breasted Nuthatch, 1; Brown Creeper, 1; Common Starling, 50; House Sparrow, 50; Evening Grosbeak, 72; Pine Grosbeak, 3; Am. Goldfinch, 5; Slate-colored Junco, 12; Am. Tree Sparrow, 2. **Total,** 23 species; 543 individuals.—Charles P. Blakney, Davis H. Crompton.

45. **Newport County, R. I., and Westport, Mass.** (same as last two years, except no boat-trip).—Dec. 22; 6:15 a.m. to 4:15 p.m. Overcast to clear; temp. 30° to 40°; wind W, 25 m.p.h.; ground partly snow-encrusted, interior ponds frozen, coastal ponds partly open. Twenty observers in 7 parties. Total party-hours, 69 (44 on foot, 25 by car); total party-miles, 293 (66 on foot, 227 by car). Common Loon, 114; **Pacific Loon,** 1 (observed at moderate range with 20x B. & L. telescope by Kraus, Emerson, *et al.* Kraus has studied other New England strays reported by Griscom, *et al.*, and knows the bird from California experience. A Common Loon was in close proximity, affording ideal comparison of bill, size, and plumage-pattern. Probably as good as a sight record of this uncollected species can be); Red-throated Loon, 26; Red-necked Grebe, 8; Horned Grebe, 260; **Eared Grebe,** 1 (observed at very close range in Sakonnet Point harbor, where compared directly with scores of Horned Grebes. In partial spring plumage (black chin), but white ear patch prominent; smaller bill, etc., all carefully noted. Both observers know this bird from western experience, and both observed another winter visitor to R. I. last year—D.L.K., D.L.E. Uncollected in State); Pied-billed Grebe, 2; Gannet, 3; European Cormorant, 50; Double-breasted Cormorant, 2 (W.H.D.); Great Blue Heron, 12; Black-crowned Night Heron, 5; Am. Bittern, 1; Mute Swan, 9; Canada Goose, 288; Mallard, 8; Black Duck, 955; European Widgeon, 1; Am. Widgeon, 70; Pintail, 72; Green-winged Teal, 24; Wood Duck, 2; Redhead, 17; Ring-necked Duck, 1; Canvas-back, 4; Greater Scaup, 749+; Lesser Scaup, 66; Am. Golden-eye, 740+; Buffle-head, 188+; Old-squaw, 3; Common Eider, 25; White-winged Scoter, 930+; Surf Scoter, 150+; Am. Scoter, 10; Ruddy Duck, 76; Hooded Merganser, 14; Am. Merganser, 216; Red-breasted Merganser, 740; Sharp-shinned Hawk, 5; Cooper's Hawk, 2; Red-tailed Hawk, 5; Red-shouldered Hawk, 1; Rough-legged Hawk, 1; Marsh Hawk, 10; Peregrine Falcon, 1; Sparrow Hawk, 29; Ring-necked Pheasant, 11; Clapper Rail, 2; Virginia Rail, 1; Am. Coot, 186; Killdeer, 4; Am. Woodcock, 1; Wilson's Snipe, 4; Purple Sandpiper, 65; Red-backed Sandpiper, 570+; Semipalmated Sandpiper, 1; Sanderling, 5; Great Black-backed Gull, 175+; Herring Gull, 2700+; Ring-billed Gull, 87; **Bonaparte's Gull,** 1150+; Black-legged Kittiwake, 1; Razor-billed Auk, 1; Mourning Dove, 133; Horned Owl, 1; Belted Kingfisher, 7; Yellow-shafted Flicker, 38; Hairy Woodpecker, 4; Downy Woodpecker, 12; Horned Lark, 301 (including 1 Prairie—J.B.); Blue Jay, 68; Am. Crow, 684+; Black-capped Chickadee, 149+; White-breasted Nuthatch, 6; Red-breasted Nuthatch, 1; Brown Creeper, 5; Winter Wren, 5; Carolina Wren, 4; Long-billed Marsh Wren, 3; Short-billed Marsh Wren, 1; Catbird, 3; Am. Robin, 15; Hermit Thrush, 2; Eastern Bluebird, 5; Golden-crowned Kinglet, 22; Ruby-crowned Kinglet, 1 (Bennett); Loggerhead Shrike, 3; Common Starling, 4000, est.; Myrtle Warbler, 198; Pine War-

bler, 1 (H.E.C., J.D.); Palm Warbler (Western), 1; Common Yellowthroat, 2; House Sparrow, 375+; Eastern Meadowlark, 238; Red-winged Blackbird, 11; Brown-headed Cowbird, 1050+; Evening Grosbeak, 3; Purple Finch, 31; Pine Siskin, 1; Am. Goldfinch, 68; Eastern Towhee, 1; Ipswich Sparrow, 3; Savannah Sparrow, 25; Vesper Sparrow, 7; Slate-colored Junco, 90; Am. Tree Sparrow, 112; Field Sparrow, 19; White-throated Sparrow, 68; Fox Sparrow, 1; Swamp Sparrow, 23; Song Sparrow, 97; Lapland (?) Longspur, 1; Snow Bunting, 13. **Total,** 113 species (1 additional subspecies); about 18,773 individuals. —J. Baird, R. Bennett, R. Bowen, H. E. Childs, R. C. Clement (compiler), T. M. Curry, Jr., W. B. Dean, J. Dearborn, Mr. and Mrs. W. H. Drury, Jr., D. L. Emerson, Mrs. H. J. Gates, Mrs. E. Holden, D. L. Kraus, A. Morgan, H. M. Parker, Miss F. Perry, B. S. Ridgely, Miss E. Weeks, C. Wood.

**46. South Kingston, R. I.** (same as last year).—Dec. 29; 6:45 a.m. to 4:45 p.m. Medium overcast; temp. 30° to 38°; wind SW, 1-6 m.p.h.; ground bare; fresh ponds frozen. Twelve observers in 2 parties. Total party-hours, 20 (13 on foot, 7 by car); total party-miles, 108 (8 on foot, 100 by car). Common Loon, 34; Red-throated Loon, 26; Horned Grebe, 44; Pied-billed Grebe, 4; Gannet, 1; European Cormorant,* 230; Great Blue Heron, 6; Canada Goose, 65; Mallard, 1; Black Duck, 480; Green-winged Teal, 2; Redhead, 3; Canvas-back, 5; Greater Scaup, 53; Am. Golden-eye, 385; Barrow's Golden-eye, 1; Bufflehead, 50; Old-squaw, 2; Harlequin Duck, 2; Common Eider, 1; White-winged Scoter, 448; Surf Scoter, 61; Am. Scoter, 63; Ruddy Duck, 1; Hooded Merganser, 1; Am. Merganser, 154; Red-breasted Merganser, 309; Red-tailed Hawk, 2; Red-shouldered Hawk, 1; Rough-legged Hawk, 1; Bald Eagle, 1; Marsh Hawk, 3; Sparrow Hawk, 5; Ruffed Grouse, 1; Am. Coot, 3; Wilson's Snipe, 3; Purple Sandpiper, 15; Red-backed Sandpiper, 1; Great Black-backed Gull, 125; Herring Gull, 1392; Ring-billed Gull, 45; Bonaparte's Gull, 25; Mourning Dove, 114; Barred Owl, 2; Belted Kingfisher, 2; Yellow-shafted Flicker, 9; Hairy Woodpecker, 4; Downy Woodpecker, 15; Horned Lark, 228; Blue Jay, 35; Am. Crow, 144; Black-capped Chickadee, 87; White-breasted Nuthatch, 9; Red-breasted Nuthatch, 1; Winter Wren, 1; Carolina Wren, 1; Catbird, 3; Am. Robin, 13; Hermit Thrush, 1; Eastern Bluebird, 10; Golden-crowned Kinglet, 1; Loggerhead Shrike, 2; Common Starling, 520; Myrtle Warbler, 279; House Sparrow, 252; Eastern Meadowlark, 134; Red-winged Blackbird, 38; Brown-headed Cowbird, 601; Evening Grosbeak, 70; Purple Finch, 5; Pine Grosbeak, 25; Am. Goldfinch, 14; Ipswich Sparrow, 1; Savannah Sparrow, 12; Vesper Sparrow, 1; Slate-colored Junco, 16; Am. Tree Sparrow, 98; Field Sparrow, 8; White-throated Sparrow, 39; Fox Sparrow, 1; Swamp Sparrow, 3; Song Sparrow, 38; Lapland Longspur, 25. **Total,** 83 species; 6917 individuals.—T. M. Curry, Jr., Mrs. A. Davenport, Mr. and Mrs. J. H. Gates, Mrs. H. Harrison, D. L. Kraus (compiler), Mrs. E. Parker, Miss F. Perry, E. Ryan, Mrs. K. Whaley, Miss E. Weeks, C. Wood (Little Rest Bird Club).

**47. Hartford, Conn.** (7½-mile radius centering at City Hall; same area as covered on last 8 counts; mixed woodland 20%, grassy meadows along Conn. River 60%, shrubby swamp 10%, plowed fields 5%, town suburbs 5%).—Dec. 29; 8 a.m. to 4 p.m. Cloudy; temp. 23° to 40°; no wind; ground covered with wet snow. Forty-two observers in 14 parties. Total party-hours, 89 (76 on foot, 13 by car); total party-miles, 213 (50 on foot, 163 by car). Great Blue Heron, 1; Mallard, 17; Black Duck, 182; Am. Golden-eye, 3; Am. Merganser, 231; Sharp-shinned Hawk, 2; Cooper's Hawk, 1; Red-tailed Hawk, 3; Red-shouldered Hawk, 7; Rough-legged Hawk, 1; Bald Eagle, 1; Marsh Hawk, 3; Peregrine Falcon (in City), 1; Sparrow Hawk, 13; Ring-necked Pheasant, 59; Herring Gull, 118; Ring-billed Gull, 14; Mourning Dove, 36; Screech Owl, 1; Barred Owl, 2; Long-eared Owl, 2; Belted Kingfisher, 2; Yellow-shafted Flicker, 12; Pileated Woodpecker, 1; Hairy Woodpecker, 63; Downy Woodpecker, 142; Horned Lark, 247; Blue Jay, 221; Am. Crow, 818; Black-capped Chickadee, 353; White-breasted Nuthatch, 91; Red-breasted Nuthatch, 12; Brown Creeper, 27; Winter Wren, 1; Mockingbird (long resident in Glastonbury), 1; Am. Robin, 1; Eastern Bluebird, 33; Golden-crowned Kinglet, 7; Ruby-crowned Kinglet, 1; Loggerhead Shrike, 2; Common Starling, 1848; Myrtle Warbler, 4; Common Yellowthroat, 1; House Sparrow, 763; Eastern Meadowlark, 31; Red-winged Blackbird, 256; Baltimore Oriole, 1; Brown-headed Cowbird, 450; Evening Grosbeak, 109; Purple Finch, 89; Pine Grosbeak, 8; Common Redpoll, 2; Pine Siskin, 7; Am. Goldfinch, 245; Red Crossbill, 1 (Hale); Savannah Sparrow, 1; Vesper Sparrow, 2 (Hale); Slate-colored Junco, 402; Am. Tree Sparrow, 1069; Field Sparrow, 6; White-crowned Sparrow, 1 (Risley); White-throated Sparrow, 88; Fox Sparrow, 1; Swamp Sparrow, 13; Song Sparrow, 162; Lapland Longspur, 8 (Rhines). **Total,** 66 species; 8301 individuals. (Seen Dec. 26: Purple Grackle, 1.) —Mr. and Mrs. S. Adler, Mrs. Hilda F. Amidon (compiler), Mr. and Mrs. H. Austin, Mrs. Warren Ball, Mrs. Howard Beardsley, Mr. and Mrs. R. F. Belden, E. A. Bergstrom, Mrs. C. W. Catlin, J. Deeks, P. E. Fellows, Mr. and Mrs. Leonard French, Mrs. T. H. Gabb, R. Goodell, Mrs. L. Goodrich, Gladys Goodrich, Mrs. Frank Goodwin, Mrs. L. N. Hale, H. Liebe, R. G. Lincoln, H. Parker, G. Parks, Doris Purinton, Mrs. T. Rhines, Mrs. R. J. Risley, V. Schuetz, T. Shires, Mrs. Ray Simmons, C. Snow, A. Spring, Mrs. P. Stark, Mrs. R. Tucker, Mrs. T. B. Utley, Mrs. J. R. Washburne, Mrs. L. Watkins, A. Wills, L. J. Whittles, James and John Woodson.

**48. New Haven, Conn.** (same area as last year; fields, hedgerows, old orchards 30%, shore 23%, mixed woods 13%, lake 7%, marsh 6%, pine woods 4%, deciduous upland 4%, river (tidewater) 4%, cultivated land 3%, suburbs 3%, city 3%).—Dec. 22; 6 a.m. to 4:30 p.m. Clear; temp. 28° to 45°; wind SW, 0-30 m.p.h.; ground bare except for patches of old snow in sheltered places; smaller ponds frozen over. Ten observers in 4 parties. Total party-hours, 34½; total party-miles, 214 (18 on foot, 196 by car).

Red-throated Loon, 1; Horned Grebe, 12; Pied-billed Grebe, 8; Mallard, 12; Black Duck, 1081; Am. Widgeon, 98; Redhead, 12; Ring-necked Duck, 89; Canvas-back, 6; Greater Scaup, 614; Am. Golden-eye, 130; Buffle-head, 5; White-winged Scoter, 1; Am. Scoter, 3; Ruddy Duck, 2; Hooded Merganser, 13; Am. Merganser, 41; Red-breasted Merganser, 22; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 1; Red-shouldered Hawk, 5; Rough-legged Hawk, 1; Sparrow Hawk, 3; Killdeer, 2; Great Black-backed Gull, 25; Herring Gull, 1724; Ring-billed Gull, 171; Bonaparte's Gull, 385; Mourning Dove, 7; Horned Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 6; Hairy Woodpecker, 6; Downy Woodpecker, 14; Horned Lark, 26 (including 7 identified as Prairie and 3 as Northern—H.B.); Blue Jay, 30; Am. Crow, 112; Black-capped Chickadee, 129; White-breasted Nuthatch, 9; Red-breasted Nuthatch, 12; Brown Creeper, 3; Am. Robin, 4; Eastern Bluebird, 4; Golden-crowned Kinglet, 6; Common Starling, 2078; Myrtle Warbler, 106; House Sparrow, 274; Eastern Meadowlark, 3; Red-winged Blackbird, 51; Purple Grackle, 2592; Brown-headed Cowbird, 45; Purple Finch, 26; Am. Goldfinch, 145; Savannah Sparrow, 1; Slate-colored Junco, 83; Am. Tree Sparrow, 28; White-throated Sparrow, 40; Swamp Sparrow, 3; Song Sparrow, 17. **Total,** 60 species (1 additional subspecies); 10,331 individuals. —Irston R. Barnes, Alfred R. Bellinger, Peter F. Bellinger, Henry Bunting, Mrs. William H. Dunham, Jr., Mr. and Mrs. John Filley, Samuel A. Galpin, Charles E. Huntington, Lawrence P. Murphy.

49. **New London, Conn.** (same as last year).—Dec. 23; 7 a.m. to 2 p.m. Cloudy to clear; temp. 28° to 36°; wind NW to NE, 2-12 m.p.h.; no snow; most fresh waters frozen. Five observers in 3 parties. Total party-hours, 21 (15 on foot, 6 by car); total party-miles, 72 (14 on foot 58 by car). Common Loon, 3; Red-throated Loon, 1; Horned Grebe, 23; cormorant (sp.), 2; Great Blue Heron, 2; Canada Goose, 3; Snow Goose, 1 (R.F.L., R.G., N.C.W.); Mallard, 1; Black Duck, 31; Greater Scaup, 49; Am. Golden-eye, 34; Buffle-head, 45; White-winged Scoter, 4; Hooded Merganser, 3; Am. Merganser, 9; Red-breasted Merganser, 181; Red-tailed Hawk, 1; Am. Coot, 1; Great Black-backed Gull, 5; Herring Gull, 227; Ring-billed Gull, 3; Bonaparte's Gull, 1; Mourning Dove, 2; Belted Kingfisher, 6; Yellow-shafted Flicker, 2; Hairy Woodpecker, 2; Blue Jay, 12; Am. Crow, 18; Black-capped Chickadee, 13; Eastern Bluebird, 1; Cedar Waxwing, 2; Common Starling, 106; Myrtle Warbler, 18; House Sparrow, 27; Eastern Meadowlark, 6; Purple Grackle, 1; Slate-colored Junco, 6; Swamp Sparrow, 1; Song Sparrow, 4. **Total,** 39 species; 857 individuals.—Richard Goodwin, Alfred S. Kidwell, Robert Fulton Logan (compiler), Mr. and Mrs. Nelson C. White.

50. **Oxford, Conn.** (Quaker Farms to Stevenson Dam; along the Housatonic River to Squantuck, and back; brush-land 55%, cleared land 10%, built-up area 10%, river front 10%, deciduous forest 13%, hemlock forest 2%).—Dec. 23; 8 a.m. to 4:30 p.m. Clear, few clouds; temp. 20° to 27°; wind SW-NW, 0-14 m.p.h.; no snow except in woods; ponds frozen, river open. One observer. Total party-hours, 8½ (on foot); total party-miles, 13 (on foot). Am. Merganser, 4; Ruffed Grouse, 5; Herring Gull, 27; Belted Kingfisher, 1; Yellow-shafted Flicker, 4; Hairy Woodpecker, 7; Downy Woodpecker, 2; Blue Jay, 29; Am. Crow, 3; Black-capped Chickadee, 88; White-breasted Nuthatch, 5; Winter Wren, 1; Golden-crowned Kinglet, 1; Common Starling, 33; Myrtle Warbler, 64; House Sparrow, 33; Slate-colored Junco, 59; Am. Tree Sparrow, 44; White-throated Sparrow, 3; Song Sparrow, 1. **Total,** 20 species; 414 individuals. (Seen in area Dec. 26: Snow Bunting, 1.)—Alfred P. Harger.

51. **Saybrook, Conn.** (same area as last year; sound and shore 30%, river 10%, deciduous uplands 20%, mixed woods 15%, old fields and hedgerows 20%, marsh 5%).—Dec. 26; 6:45 a.m. to 4:30 p.m. Cloudy, clearing after noon; temp. 30° to 38°; wind W, 5-15 m.p.h.; ponds frozen, river channels open, ice coating on fields and trees. Eight observers in 2 parties. Total party-hours, 15 (10 on foot, 5 by car); total party-miles, 125 (15 on foot, 110 by car). Common Loon, 2; Red-throated Loon, 18; Horned Grebe, 10; Great Blue Heron, 1; Mallard, 4; Black Duck, 265; Pintail, 24; Am. Golden-eye, 58; Buffle-head, 29; Old-squaw, 6; White-winged Scoter, 49; Surf Scoter, 1; Am. Scoter, 15; Ruddy Duck, 6; Am. Merganser, 102; Red-breasted Merganser, 37; Sharp-shinned Hawk, 1; Red-tailed Hawk, 1; Red-shouldered Hawk, 1; Bald Eagle, 2; Marsh Hawk, 2; Sparrow Hawk, 2; Bob-white, 14; Ring-necked Pheasant, 1; Am. Coot, 13; Killdeer, 1; Purple Sandpiper, 1; Great Black-backed Gull, 38; Herring Gull, 560; Ring-billed Gull, 139; Bonaparte's Gull, 12; Mourning Dove, 7; Barred Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 10; Hairy Woodpecker, 8; Downy Woodpecker, 12; Blue Jay, 65; Am. Crow, 78; Black-capped Chickadee, 119; White-breasted Nuthatch, 15; Red-breasted Nuthatch, 1; Brown Creeper, 2; Winter Wren, 1; Carolina Wren, 2; Am. Robin, 10; Eastern Bluebird, 11; Golden-crowned Kinglet, 1; Common Starling, 208; Myrtle Warbler, 29; House Sparrow, 37; Eastern Meadowlark, 8; Evening Grosbeak, 1; Am. Goldfinch, 10; Eastern Towhee, 1; Savannah Sparrow, 5; Slate-colored Junco, 43; Am. Tree Sparrow, 37; Field Sparrow, 1; White-throated Sparrow, 31; Song Sparrow, 23; Snow Bunting, 8. **Total,** 62 species; 2201 individuals. Icy roads made several good areas inaccessible; the most intense hunting in memory drove virtually all waterfowl from the area.—Irston R. Barnes, Chester Bowles, Jr., Dr. and Mrs. Henry Bunting, Mr. and Mrs. B. A. Copp, Dr. John B. Goetsch, Charles E. Huntington.

52. **Waterbury, Conn.** (7½-mile radius centering on the Waterbury Municipal Stadium, same area as last year; in addition small sections of Black Rock State Park, Lake Quassapaug, Bucks Hill area, and sections of Naugatuck River; suburbs 40%, parks 15%, open land 15%, woodland 25%, roadside river-

banks 5%).—Dec. 29; 7 a.m. to 4 p.m. Heavily overcast; temp. 30° to 42°; wind 0-5 m.p.h.; snow mixed with rain from 9:30 to 11:30; 2-6 in. crusted snow, ponds and lakes frozen, streams open. Thirteen observers, 7 at their feeders, 6 afield in 3 parties. Total party-hours, 26 (20 on foot, 6 by car); total party-miles, 58 (15 on foot, 43 by car). Canada Goose, 2; Red-shouldered Hawk, 1; Ruffed Grouse, 1; Herring Gull, 5; Yellow-shafted Flicker, 1; Hairy Woodpecker, 12; Downy Woodpecker, 11; Blue Jay, 63; Am. Crow, 170; Black-capped Chickadee, 78; White-breasted Nuthatch, 22; Red-breasted Nuthatch, 2; Brown Creeper, 2; Eastern Bluebird, 6; Golden-crowned Kinglet, 6; Cedar Waxwing, 8; Common Starling, 1298; House Sparrow, 106; Eastern Meadowlark, 1; Evening Grosbeak, 21; Purple Finch, 6; Pine Grosbeak, 14; Common Redpoll, 1; Pine Siskin, 12; Am. Goldfinch, 40; Slate-colored Junco, 39; Am. Tree Sparrow, 27; Field Sparrow, 9; White-throated Sparrow, 8; Song Sparrow, 16; Snow Bunting, 2. **Total,** 31 species; 1990 individuals. Pine Grosbeaks in and about Fulton Park since Nov. 14 (W.B.).—Mr. W. Barrows, Miss F. Turnbull, Miss E. B. Slack, Mr. and Mrs. R. Sturges and J. S. Mackiewicz (compiler), Mrs. C. Timberlake, Mrs. E. Slack, Mrs. A. Streeter, Miss E. Hoadley, Mr. and Mrs. G. Cowperthwaite and Miss D. Bradley (Waterbury Naturalist Club).

**53. Westport, Conn.** (and surrounding towns; same as in the last 2 years, with much better coverage inland; salt marsh and shore 30%, town suburbs 25%, farm lands 15%, deciduous woodlands 20%, coniferous woodlands 5%, fresh water swamps and ponds 5%).—Dec. 29; 7:15 a.m. to 5 p.m. Snow and rain to 9 a.m., cloudy rest of day; temp. 32° to 40°; wind NE to S, 5-8 m.p.h.; ground bare, small ponds frozen, larger reservoirs open. Forty-four observers in 18 parties. Total party-hours, 148 (92 on foot, 56 by car); total party-miles, 345 (75 on foot, 270 by car). Red-throated Loon, 9; Red-necked Grebe, 1; Horned Grebe, 82; Western Grebe, 1 (clearly seen near Horned Grebes, with 20x scope, by L. M. Moe, J. Young, and others); Pied-billed Grebe, 1; European Cormorant, 1; Great Blue Heron, 12; Black-crowned Night Heron, 11; Mute Swan, 17; Canada Goose, 13; Mallard, 330; Black Duck, 1304; Am. Widgeon, 2; Green-winged Teal, 2; Greater Scaup, 34,459 (32,000±800, 2459); Am. Golden-eye, 834; Buffle-head, 187; Old-squaw, 610; White-winged Scoter, 1417; Surf Scoter, 2376 (2000±300, 376); Am. Scoter, 26; Ruddy Duck, 2; Am. Merganser, 58; Red-breasted Merganser, 52; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 3; Red-shouldered Hawk, 8; Marsh Hawk, 1; Sparrow Hawk, 14; Ruffed Grouse, 2; Ring-necked Pheasant, 11; Clapper Rail, 1; Virginia Rail, 1; Killdeer, 30; Black-bellied Plover, 8; Purple Sandpiper, 2; Red-backed Sandpiper, 10; Great Black-backed Gull, 53; Herring Gull, 3727 (3500±500, 227); Ring-billed Gull, 123; Laughing Gull, 10; Mourning Dove, 53; Barn Owl, 1; Screech Owl, 2; Barred Owl, 1; Short-eared Owl, 1; Belted Kingfisher, 13; Yellow-shafted Flicker, 19; Pileated Woodpecker, 1; Yellow-bellied Sapsucker, 4; Hairy Woodpecker, 69; Downy Woodpecker, 153; Horned Lark, 77 (including 2 with white eye-line, Prairie or Hoyt's—R.L.B.); Blue Jay, 347; Am. Crow, 178; Black-capped Chickadee, 732; Tufted Titmouse, 24; White-breasted Nuthatch, 231; Red-breasted Nuthatch, 19; Brown Creeper, 29; Winter Wren, 4; Carolina Wren, 2; Mockingbird, 1 (M. Brown); Catbird, 1; Am. Robin, 19; Eastern Bluebird, 40; Golden-crowned Kinglet, 9; Water Pipit, 1 (R.L.B., P.C.S.); Loggerhead Shrike, 1; Common Starling, 374; Myrtle Warbler, 39; House Sparrow, 530; Eastern Meadowlark, 15; Rusty Blackbird, 1 (R.L.B., P.C.S.); Brown-headed Cowbird, 3; Cardinal, 19; Dickcissel, 1 (regular at a feeding-station in New Canaan); Evening Grosbeak, 2; Purple Finch, 77; Pine Grosbeak, 12; Pine Siskin, 15; Am. Goldfinch, 179; White-winged Crossbill, 2 (L.J.B.); Eastern Towhee, 7; Savannah Sparrow, 3; Slate-colored Junco, 551 (including 2 apparent hybrids, approaching the Oregon); Am. Tree Sparrow, 278; Field Sparrow, 6; White-crowned Sparrow, 3 (with White-throats at a feeder in New Canaan); White-throated Sparrow, 189; Fox Sparrow, 5; Swamp Sparrow, 3; Song Sparrow, 179; Lapland Longspur, 1; Snow Bunting, 2. **Total,** 96 species (1 additional subspecies); about 50,341 individuals. (Seen in area Dec. 30: Gray Shrike, 1.)—H. L. Achilles, H. L. Achilles, Jr., Laura Allen, C. Bartow, Mrs. L. Benger, Barbara Blachley, L. J. Bradley, C. D. Brewer, Alice Bristow, Helen Bristow, Mr. and Mrs. M. Brown, M. Burow, R. L. Burdsall, R. Case, Mrs. G. Cutler, E. Eager, Mrs. J. T. Eason, Dorcus Eason, D. Eckholm, B. Ficke, R. Gauthey, Mr. and Mrs. H. Gillen, Edna Gortner, Mr. and Mrs. H. Hayes, G. W. Hebard, Mrs. E. Leaycraft, R. S. Lemmon, Mrs. H. Long, J. Malkin, Mr. and Mrs. B. F. McGuckin, L. M. Moe, J. Norgren, Mrs. J. C. Roop, R. B. Sewell, Mrs. P. Soley, Miss J. Soley, P. C. Spofford, Mrs. G. W. Thompson, Jr., Mrs. G. Weston, J. Young (Westport Audubon Society, with cooperation of Conn. Audubon Society and New Canaan Bird Protective Society).

**54. Brooklyn, N. Y.** (same as last year; wooded city parks 20%, sheltered bay 20%, salt marsh 30%, open fields 20%, outer beach and ocean 10%).—Dec. 30; 8 a.m. to 4:30 p.m. Cloudy, rain, fog; temp. 35° to 45°; wind S to SW, 12 m.p.h.; some ice on fresh water ponds. Twenty-five observers in 8 parties. Total party-hours, 68 (on foot); total party-miles, 65 (on foot). Common Loon, 6; Red-throated Loon, 1; Red-necked Grebe, 2; Horned Grebe, 39; Pied-billed Grebe, 1; Great Blue Heron, 5; Black-crowned Night Heron, 4; Am. Bittern, 4; Mallard, 11; Black Duck, 815; Am. Widgeon, 2; Pintail, 2; Green-winged Teal, 1; Greater Scaup, 1200; Am. Golden-eye, 33; Buffle-head, 83; Old-squaw, 18; Common Eider, 1; White-winged Scoter, 29; Surf Scoter, 1; Am. Scoter, 16; Am. Merganser, 2; Red-breasted Merganser, 240; Sharp-shinned Hawk, 2; Cooper's Hawk, 1; Marsh Hawk, 16; Peregrine Falcon, 1; Sparrow Hawk, 30; Clapper Rail, 24; Killdeer, 48; Black-bellied Plover, 1; Purple Sandpiper, 35; Red-backed Sandpiper, 45; Sanderling, 218; Great Black-backed Gull, 245; Herring Gull, 9000 (9000±200, 6315); Ring-billed

Gull, 708; Bonaparte's Gull, 519; Mourning Dove, 1; Screech Owl, 1; Saw-whet Owl, 1; Yellow-shafted Flicker, 3; Hairy Woodpecker, 3; Downy Woodpecker, 31; Horned Lark, 44; Blue Jay, 27; Am. Crow, 47; Black-capped Chickadee, 102; White-breasted Nuthatch, 28; Red-breasted Nuthatch, 31; Brown Creeper, 2; Long-billed Marsh Wren, 2; Brown Thrasher, 2; Am. Robin, 2; Hermit Thrush, 1; Water Pipit, 2; Loggerhead Shrike, 1; Common Starling, 10,000+; Myrtle Warbler, 250; House Sparrow, 1458 (count limited to specific areas to provide better comparison in future years); Eastern Meadowlark, 16; Red-winged Blackbird, 4; Purple Grackle, 2; Brown-headed Cowbird, 3; Cardinal, 2; Purple Finch, 2; Common Redpoll, 1; Pine Siskin, 94; Am. Goldfinch, 10; Eastern Towhee, 4; Ipswich Sparrow, 1; Savannah Sparrow, 46; Sharp-tailed Sparrow, 6; Seaside Sparrow, 6; Slate-colored Junco, 93; Am. Tree Sparrow, 176; Field Sparrow, 9; White-throated Sparrow, 163; Fox Sparrow, 5; Swamp Sparrow, 25; Song Sparrow, 177; Snow Bunting, 65. **Total,** 82 species; 26,358 individuals. (Seen Dec. 23: Redhead, 4; Canvas-back, 2; Hooded Merganser, 6; Franklin's Gull, 1; Iceland Gull, 2; Greater Yellowlegs, 4.)—M. Cashman, R. Clermont, Wm. Cooney, E. Daly, P. Ebersman, E. Feinberg, E. A. Feldhusen, Alex and Louise Jones, D. Kreissman, I. B. Laskowitz, J. Lisle, E. McGovern, P. Messing, C. Meyerdierks, H. Meyerdierks, J. Neilsen, E. Restivo, N. Smith, E. Sawyer, H. J. Thelen, V. Using, E. J. Whelen (compiler), A. Wrede, J. Yrizarry.

**55. Montauk Point, L. I., N. Y.** (Montauk Lighthouse to Acabonac Harbor and Fresh Pond; open ocean and beach 40%, bayberry-deciduous tangle 55%, coniferous grove 5%).—Dec. 27; 6:45 a.m. to 5 p.m. Clear in a.m., partly cloudy in p.m.; temp. 26° to 34°; wind 15-30 m.p.h.; ground clear, fresh water partly or wholly frozen. Four observers in 1 party. Total party-hours, 10¼ (4¼ on foot, 6 by car); total party-miles, 65 (5 on foot, 60 by car). Common Loon, 26; Red-throated Loon, 11; Horned Grebe, 13; Pied-billed Grebe, 1; Gannet, 5; European Cormorant, 5; Double-breasted Cormorant, 1; Great Blue Heron, 2; Mute Swan, 16; Mallard, 1; Black Duck, 6; Greater Scaup, 7; Am. Golden-eye, 70; Buffle-head, 5; Oldsquaw, 18; Harlequin Duck, 2; White-winged Scoter, 878; Surf Scoter, 25; Am. Scoter, 402; Red-breasted Merganser, 66; Sharp-shinned Hawk, 1; Marsh Hawk, 2; King Rail, 1 (seen swimming, running and in flight by all members of the party at close range; large size, reddish-brown coloration, and reddish bill observed by all); Virginia Rail, 3; Am. Coot, 56; Wilson's Snipe, 2; Great Black-backed Gull, 23; Herring Gull, 355; Ring-billed Gull, 3; Bonaparte's Gull, 100; Mourning Dove, 1; Barn Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 5; Horned Lark, 12; Am. Crow, 11; Black-capped Chickadee, 43; Red-breasted Nuthatch, 10; Am. Robin, 2; Eastern Bluebird, 1; Common Starling, 1450; Myrtle Warbler, 170; House Sparrow, 41; Eastern Meadowlark, 11; Brown-headed Cowbird, 2; Common Redpoll, 2 (ad. ♂ and ♀—N.B., R.F., R.R.); Pine Siskin, 90; Am. Goldfinch, 5; Savannah Sparrow, 4; Slate-colored Junco, 2; Am. Tree Sparrow, 6; White-throated Sparrow, 14; Song Sparrow, 15; Snow Bunting, 2. **Total,** 54 species, 4008 individuals. (Seen Dec. 28: Screech Owl, 1; Downy Woodpecker, 1; Blue Jay, 1; White-breasted Nuthatch, 1; Catbird, 1; Red Crossbill, 1; Field Sparrow, 3.)—Walter Bock, Ned Boyajian (compiler), Richard Fischer, Richard Ryan.

**56. Open Ocean off Long Island, N. Y.** (7 to 16 miles off Jones Beach; open ocean 100%).—Dec. 30; 8 a.m. to 2:45 p.m. Cloudy, foggy, rain in p.m.; temp. 30° to 33°; wind S, 0-4 m.p.h. One observer. Total party-hours, 6¾ (by boat); total party-miles, 18 (by boat). Horned Grebe, 2; Gannet, 2; Great Black-backed Gull, 23; Herring Gull, 34; Ring-billed Gull, 1; Black-legged Kittiwake, 1. **Total,** 6 species; 63 individuals. Poor totals were due to fog, rain, and seasickness.—Richard Ryan.

**57. Orient, L. I., N. Y.** (area of last year extended westward to Greenport; character of added area similar but somewhat more urbanized).—Dec. 30; 7:05 a.m. to 4:55 p.m. Overcast; temp. 44° to 51°; wind SW-SE-NE-SW, 0-7 m.p.h.; good visibility only between 9 and 12, otherwise fog or rain. Four observers in 2 parties. Total party-hours, 18 (13 on foot, 5 by car); total party-miles, 70 (11½ on foot, 58½ by car). Common Loon, 11; Horned Grebe, 29; Double-crested Cormorant, 1; Great Blue Heron, 3; Black Duck, 65 (est.); Green-winged Teal, 1; Greater Scaup, 7; Am. Golden-eye, 129; Oldsquaw, 470 (est.); White-winged Scoter, 364 (est.); Surf Scoter, 82; Am. Scoter, 5; unidentified scoters (probably almost all White-wings), 600 (est.); Am. Merganser, 1; Red-breasted Merganser, 31; Sparrow Hawk, 1; Ring-necked Pheasant, 2; Killdeer, 4; Sanderling, 1; Great Black-backed Gull, 13; Herring Gull, 480 (est.); Ring-billed Gull, 9; Belted Kingfisher, 4; Yellow-shafted Flicker, 8; Downy Woodpecker, 4; Horned Lark (both races), 127 (est.); Blue Jay, 1; Am. Crow, 13; Black-capped Chickadee, 18; Red-breasted Nuthatch, 3; Carolina Wren, 1; Catbird, 1; Am. Robin, 9; Common Starling, 400 (est.); Myrtle Warbler, 75 (est.); **Yellow-breasted Chat,** 1 (H.H.C., R.S.M.) [complete description furnished—Ed.]; House Sparrow, 150 (est.); Eastern Meadowlark, 18; Red-winged Blackbird, 10; Purple Grackle, 48; Brown-headed Cowbird, 250 (est.); Pine Siskin, 63; Am. Goldfinch, 19; Savannah Sparrow, 2; Am. Tree Sparrow, 1; White-throated Sparrow, 55; Fox Sparrow, 1; Song Sparrow, 66; Lapland Longspur, 4; Snow Bunting, 110 (est.). **Total,** 49 species (1 additional subspecies); about 3771 individuals, 130% increase over 1950, probably due mainly to better visibility while Orient Point State Park was being covered.—A. Nelson Chapman, Henry H. Collins, Jr., Richard E. Harrison (compiler), Robert S. Mathews.

**58. Quogue to Watermill, L. I., N Y.** (same as last year).—Dec. 22; 7 a.m. to 4 p.m. Cloudy in a.m., clear p.m.; temp. 33° to 29°; wind W, 28 m.p.h. One observer. Total party-miles, 83 (3 on foot, 80 by car). Common Loon, 1; Red-throated Loon, 2; Horned Grebe, 15; Gannet, 1; Great Blue

Heron, 10; Mute Swan, 42; Canada Goose, 180; Mallard, 40; Black Duck, 330; Am. Widgeon, 4; Pintail, 21; Redhead, 7; Canvas-back, 4; Greater Scaup, 770; Am. Golden-eye, 223; Buffle-head, 12; Old-squaw, 33; White-winged Scoter, 14; Am. Scoter, 5; Am. Merganser, 12; Red-breasted Merganser, 15; Cooper's Hawk, 1; Marsh Hawk, 2; Sparrow Hawk, 6; Am. Coot, 80; Red-backed Sandpiper, 9; Sanderling, 61; Great Black-backed Gull, 48; Herring Gull, 1200; Ring-billed Gull, 39; Belted Kingfisher, 1; Yellow-shafted Flicker, 1; Downy Woodpecker, 2; Horned Lark, 8; Blue Jay, 7; Am. Crow, 20; Black-capped Chickadee, 17; Red-breasted Nuthatch, 7; Brown Creeper, 1; Catbird, 1; Eastern Bluebird, 1; Golden-crowned Kinglet, 2; Gray Shrike, 1; Common Starling, 90; Myrtle Warbler, 27; House Sparrow, 20; Eastern Meadowlark, 4; Purple Grackle, 1; Am. Goldfinch, 3; Eastern Towhee, 1; Savannah Sparrow, 1; Slate-colored Junco, 13; Am. Tree Sparrow, 11; Field Sparrow, 3; White-throated Sparrow, 4; Swamp Sparrow, 1; Song Sparrow, 10; Snow Bunting, 61. **Total,** 58 species; 3506 individuals.—LeRoy Wilcox.

**59. Smithtown, L. I., N. Y.** (7½-mile radius centering on Smithtown and including Nissequogue River area, L. I. Sound shore from Short Beach to Long Beach, St. James and Stony Brook Harbors, West Meadow Beach and Crane Neck Point to Old Field Point).—Dec. 29; 4:15 a.m. to 5 p.m. Fair; temp. 26° to 40°; wind SE, 8 m.p.h.; ground bare; ponds all or partly frozen. Five observers in 5 parties. Total party-hours, 50 (34 on foot, 16 by car); total party-miles, 183 (43 on foot, 140 by car). Common Loon, 12; Red-throated Loon, 1; Red-necked Grebe, 16; Horned Grebe, 349; Pied-billed Grebe, 6; Great Blue Heron, 4; Black-crowned Night Heron, 43; Am. Bittern, 3; Mute Swan, 6; Canada Goose, 24; Snow Goose, 21; Mallard, 235; Black Duck, 1045; Am. Widgeon, 134; Ring-necked Duck, 160; Greater Scaup, 45; Lesser Scaup, 40; Am. Golden-eye, 478; Buffle-head, 50; Old-squaw, 471; White-winged Scoter, 1505; Surf Scoter, 79; Hooded Merganser, 3; Am. Merganser, 53; Red-breasted Merganser, 418; Cooper's Hawk, 1; Red-tailed Hawk, 2; Red-shouldered Hawk, 1; Marsh Hawk, 2; Sparrow Hawk, 2; Ring-necked Pheasant, 2; Clapper Rail, 11; Am. Coot, 14; Killdeer, 1; Great Black-backed Gull, 86; Herring Gull, 2568; Ring-billed Gull, 620; Bonaparte's Gull, 22; Mourning Dove, 126; Screech Owl, 3; Long-eared Owl, 1; Belted Kingfisher, 6; Yellow-shafted Flicker, 13; Hairy Woodpecker, 10; Downy Woodpecker, 8; Horned Lark, 40; Blue Jay, 17; Am. Crow, 264; Black-capped Chickadee, 50; White-breasted Nuthatch, 16; Red-breasted Nuthatch, 1; Winter Wren, 9; Carolina Wren, 4; Catbird, 1; Am. Robin, 18; Eastern Bluebird, 2; Golden-crowned Kinglet, 2; Common Starling, 64; Myrtle Warbler, 61; House Sparrow, 23; Eastern Meadowlark, 20; Red-winged Blackbird, 5; Cardinal, 3; Evening Grosbeak, 2; Purple Finch, 4; Pine Siskin, 4; Am. Goldfinch, 35; Savannah Sparrow, 1; Slate-colored Junco, 124; Am. Tree Sparrow, 166; Field Sparrow, 2; White-throated Sparrow, 201; Fox Sparrow, 1; Swamp Sparrow, 13; Song Sparrow, 135; Snow Bunting, 2. **Total,** 76 species; 9990 individuals.—Richard B. Fischer, James G. Ralston, Robert Ralston (compiler), Walton B. Sabin, LeRoy Wilcox.

[John H. Von Glahn and 6 other members of the Blue Heron Audubon Club covered this same area in 3 parties on Dec. 30 and recorded 6183 individuals of 73 species. Species not listed above included Green-winged Teal, 12; Canvas-back, 6; Am. Scoter, 3; Black-bellied Plover, 1; Brown Creeper, 2; Long-billed Marsh Wren, 3; and Vesper Sparrow, 2.—Ed.]

**60. Southern Nassau County, L. I., N. Y.** (area and habitat percentages same as last year).—Dec. 30; 6 a.m. to 11:30 p.m. Overcast to 1:30 p.m., light to medium rain to darkness, visibility poor in p.m.; temp. 43° to 50°; winds, 5 m.p.h.; ground bare, thawing; most ponds frozen. Thirty-two observers in 14 parties. Total party-hours, 81 (55 on foot, 10 by car, 16 by boat); total party-miles, 287 (96 on foot, 159 by car, 32 by boat). Common Loon, 4; Red-throated Loon, 12; Red-necked Grebe, 1; Horned Grebe, 52; Pied-billed Grebe, 5; Gannet, 3; **European Cormorant,** 2 (immature, flying overhead, belly whitish to under tail coverts, competent observer familiar with both species—R.R.); Double-crested Cormorant, 1; **Great Blue Heron,** 73; Black-crowned Night Heron, 16; Am. Bittern, 3; Mute Swan, 29; Canada Goose, 5; Brant, 1000; Mallard, 227; Black Duck, 3956 (3800±200, 156); Gadwall, 11; European Widgeon, 2; Am. Widgeon, 550; Pintail, 345; Green-winged Teal, 60; Shoveller, 1; Ring-necked Duck, 5; Canvas-back, 1; Greater Scaup, 1994 (1900 ±150, 94); Lesser Scaup, 3; Am. Golden-eye, 85; Buffle-head, 2; Old-squaw, 5; White-winged Scoter, 19; **Hooded Merganser,** 36; Am. Merganser, 278; Red-breasted Merganser, 297; Sharp-shinned Hawk, 3; Cooper's Hawk, 1; Red-shouldered Hawk, 2; Marsh Hawk, 7; Sparrow Hawk, 32; Bob-white, 8; Ring-necked Pheasant, 6; **Clapper Rail,** 21; Virginia Rail, 1; Am. Coot, 58; Killdeer, 8; Wilson's Snipe, 2; **Purple Sandpiper,** 110; **Sanderling,** 250; Great Black-backed Gull, 302; Herring Gull, 8966 (8700± 500, 266); Ring-billed Gull, 102; Bonaparte's Gull, 5; Black-legged Kittiwake, 3; Razor-billed Auk, 1; Dovekie, 4; Mourning Dove, 140; Screech Owl, 3; Long-eared Owl, 2; Short-eared Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 25; Hairy Woodpecker, 4; Downy Woodpecker, 17; Horned Lark, 94 (Northern, 93; Prairie, 1); Blue Jay, 115; Am. Crow, 97; Fish Crow, 1; Black-capped Chickadee, 123; White-breasted Nuthatch, 23; Red-breasted Nuthatch, 18; Brown Creeper, 4; Catbird, 3; Brown Thrasher, 1; Am. Robin, 31; Hermit Thrush, 3; **Olive-backed Thrush,** 1 (observed under good conditions for 15 minutes by 3 competent observers, Mr. and Mrs. B.C.B. and R.D. Also seen the following day by John Bull and Harry Darrow); Eastern Bluebird, 5; Cedar Waxwing, 20; Common Starling, 2426 (1950±150, 476); Myrtle Warbler, 528; House Sparrow, 245; Eastern Meadowlark, 162; Red-winged Blackbird, 13; Purple Grackle, 1; Brown-headed Cowbird, 40; Cardinal, 7; Evening Grosbeak,

2; Purple Finch, 5; House Finch, 55; Pine Siskin, 47; Am. Goldfinch, 135; Eastern Towhee, 1; Ipswich Sparrow, 1; **Savannah Sparrow,** 46; **Sharp-tailed Sparrow,** 13; Seaside Sparrow, 4; Slate-colored Junco, 70; Am. Tree Sparrow, 134; Chipping Sparrow, 3; **Field Sparrow,** 81; White-throated Sparrow, 151; Fox Sparrow, 5; Swamp Sparrow, 20; Song Sparrow, 116; Snow Bunting, 99. **Total,** 104 species (1 additional subspecies); about 24,117 individuals. (Guy Coheleach, a competent observer, reported a Yellow-crowned Night Heron, but since visibility was poor it was not counted.)—Robert Abraham, Robert S. Arbib, Jr., Dr. and Mrs. Benjamin C. Berliner, Ned Boyajian, John L. Bull, Jr., Edna T. Campbell, Guy Coheleach, Robert Coheleach, Edwin E. Costich, Reginald Denham, Eugene Eisenmann, John J. Elliott, John M. G. Emory, Herman Goebel, George Greller, Mrs. Charles H. Halsey, John H. Mayer, D. Lockhart, E. Morgan, Herman Mullen, George Pettit, Ted S. Pettit, George Rose, Richard Ryan, Walter Sedwitz, Mrs. Kathleen Skelton, Mr. and Mrs. Richard A. Sloss, Edward Stabler, Max Weyl, Mrs. Weltaufer.

61. **Western Long Island, N. Y.** (15-mile circle: Flushing Bay to North Hills, Whitestone to Atlantic Beach; suburban New York City 30%, Atlantic Ocean coast 5%, coastal marshes 15%, fresh water 5%, deciduous woods 10%, evergreen woods 5%, open woods 30%).—Dec. 29; 5:30 a.m. to 5:30 p.m. Mostly cloudy, light snow early a.m.; temp. 35° to 45°; wind SW, 10-15 m.p.h.; fresh water frozen. Thirty-five observers in 17 parties. Total party-hours, 149 (140 on foot, 9 by car); total party-miles, 360 (153 on foot, 207 by car). Common Loon, 3; Red-throated Loon, 4; Horned Grebe, 20; Pied-billed Grebe, 3; Gannet, 2; Great Blue Heron, 22; Black-crowned Night Heron, 39; Am. Bittern, 2; Mute Swan, 14; Mallard, 397 (250 est., 147); Black Duck, 6040 (5500 est., 540); Gadwall, 10; European Widgeon, 3; Am. Widgeon, 379; Pintail, 45; Green-winged Teal, 59; Shoveller, 8; Canvas-back, 2064 (1200 est., 864); Greater Scaup, 18,253 (18,000, 253); Am. Golden-eye, 957; Buffle-head, 357; Old-squaw, 11; White-winged Scoter, 29; Ruddy Duck, 81; Hooded Merganser, 39; Am. Merganser, 446; Red-breasted Merganser, 503; Goshawk, 1; Sharp-shinned Hawk, 4; Cooper's Hawk, 4; Red-tailed Hawk, 7; Red-shouldered Hawk, 4; Broad-winged Hawk, 1 (well observed with binoculars and telescope while perched and when in flight) [name of observer not stated—Ed.]; Marsh Hawk, 13; Peregrine Falcon, 1; Sparrow Hawk, 21; Ring-necked Pheasant, 30; Clapper Rail, 10; Am. Coot, 37; Killdeer, 44; Black-bellied Plover, 3; Wilson's Snipe, 3; Red Knot, 2 (seen regularly all fall); Purple Sandpiper, 30; Sanderling, 95; Great Black-backed Gull, 569; Herring Gull, 19,912 (18,000, 1912); Ring-billed Gull, 398; Laughing Gull, 3; Bonaparte's Gull, 2; Mourning Dove, 62; Barn Owl, 1; Screech Owl, 3; Long-eared Owl, 1; Short-eared Owl, 2; Belted Kingfisher, 4; Yellow-shafted Flicker, 12; Hairy Woodpecker, 10; Downy Woodpecker, 70; Eastern Phoebe, 1; Horned Lark, 115; Blue Jay, 221; Am. Crow, 238; Black-capped Chickadee, 404; White-breasted Nuthatch, 55; Red-breasted Nuthatch, 14; Brown Creeper, 3; Winter Wren, 5; Long-billed Marsh Wren, 3; Catbird, 5; Brown Thrasher, 3; Am. Robin, 26; Hermit Thrush, 7; Eastern Bluebird, 18; Golden-crowned Kinglet, 3; Water Pipit, 15; Common Starling, 1862 (1000 est., 862); Myrtle Warbler, 73; Palm Warbler, 3; House Sparrow, 573; Eastern Meadowlark, 34; Red-winged Blackbird, 302; Rusty Blackbird, 1; Purple Grackle, 54; Brown-headed Cowbird, 5; Cardinal, 2; Purple Finch, 4; House Finch, 11; Pine Siskin, 276; Am. Goldfinch, 140; Eastern Towhee, 2; Ipswich Sparrow, 1; Savannah Sparrow, 58; Vesper Sparrow, 3; Slate-colored Junco, 302; Am. Tree Sparrow, 403; Field Sparrow, 70; White-throated Sparrow, 477; Fox Sparrow, 7; Swamp Sparrow, 64; Song Sparrow, 291; Lapland Longspur, 5; Snow Bunting, 50. **Total,** 103 species (2 additional subspecies); 57,358 individuals.—E. M. Astle, William O. Astle, Walter Bock, Herman L. Bohn, John Bull, Barbara DeHondt, Orville M. Dunning, Eugene Eisenmann, John W. Flavin, Jr., Leonard J. Garland, Herman Goebel (compiler), Richard A. Herbert, Richard Koeppel, Allen Larrabee, William Larrabee, John H. Mayer, Marie McAleer, Andrew J. Meyerriecks, Robert Meyerriecks, Laura M. Miner, Adele D. Potts, Edith W. Reid, William W. Reid, William W. Reid, Jr., George A. Rose, George A. Scheffel, William J. Scheffel, Kathleen Green Skelton, Arthur Skopec, F. Norton Smithe, Frank B. Smithe, Herbert Stein, Jack Wells, Charles F. Wright, Sam Yeaton (Queens County Bird Club).

62. **Bear Mountain—Harriman State Park, N. Y.** (Bear Mt. south to Jones' Point and west to Route 17; deciduous woods 30%, coniferous woods 20%, open fields 15%, swamps 20%, river 15%).—Dec. 28; 6:30 a.m. to 4:45 p.m. Clear; temp. 18° to 28°; wind NW, 5-15 m.p.h.; ground covered with 1-2 in. snow; all lakes frozen. Five observers in 3 parties. Total party-hours, 28 (20 on foot, 8 by car); total party-miles, 105 (15 on foot, 90 by car). Black Duck, 25; Am. Merganser, 189; Red-tailed Hawk, 2; Bald Eagle, 2; Marsh Hawk, 1; Peregrine Falcon, 1; Ruffed Grouse, 4; Great Black-backed Gull, 1; Herring Gull, 76; Belted Kingfisher, 1; Yellow-shafted Flicker, 1; Pileated Woodpecker, 2; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 4; Downy Woodpecker, 13; Blue Jay, 9; Am. Crow, 10; Black-capped Chickadee, 108; Tufted Titmouse, 3; White-breasted Nuthatch, 11; Red-breasted Nuthatch, 1; Brown Creeper, 9; Long-billed Marsh Wren, 1; Am. Robin, 3; Golden-crowned Kinglet, 12; Common Starling, 53; House Sparrow, 42; Cardinal, 5; Pine Grosbeak, 1; Am. Goldfinch, 14; Slate-colored Junco, 101; Am. Tree Sparrow, 68; Field Sparrow, 2; Swamp Sparrow, 2; Song Sparrow, 9. **Total,** 35 species; 787 individuals.—E. Brown, J. Kenney, M. Sickels, P. Smith, J. Orth.

63. **Bronx-Westchester Region, N. Y.** (northern Bronx and southern Westchester Counties as in previous years).—Dec. 23; 7 a.m. to 5 p.m. Partly cloudy; temp. 28° to 40°; wind SW, 5 m.p.h.; ground bare, fresh water partly frozen. Thirty-nine observers in 6 parties. Total party-hours, 84 (58 on foot, 26 by car); total party-miles, 71 (45 on foot, 26 by car).

Common Loon, 5; Red-throated Loon, 5; Horned Grebe, 31; Pied-billed Grebe, 5; European Cormorant, 18; Great Blue Heron, 25; Black-crowned Night Heron, 31; Am. Bittern, 1; Canada Goose, 160; Mallard, 325; Black Duck, 2300; Gadwall, 1; Am. Widgeon, 55; Pintail, 2; Green-winged Teal, 3; Wood Duck, 1; **Canvas-back,** 1020 (about twice the no. ever recorded); Greater Scaup, 7200; Lesser Scaup, 1; Am. Golden-eye, 770; Buffle-head, 65; Old-squaw, 30; White-winged Scoter, 915; Surf Scoter, 4; Ruddy Duck, 57; Hooded Merganser, 24; Am. Merganser, 133; Red-breasted Merganser, 635; Sharp-shinned Hawk, 1; Cooper's Hawk, 3; Red-tailed Hawk, 22; Red-shouldered Hawk, 8; **Rough-legged Hawk,** 6 (twice the no. ever recorded); Bald Eagle, 1; Marsh Hawk, 9; Peregrine Falcon, 3; Sparrow Hawk, 29; Ring-necked Pheasant, 66; Clapper Rail, 2; Virginia Rail, 3; Sora, 2; Am. Coot, 1; Killdeer, 40; Am. Woodcock, 1; Greater Yellow-legs, 2; Purple Sandpiper, 10; Iceland Gull, 1; Great Black-backed Gull, 66; Herring Gull, 14,900; Ring-billed Gull, 52; Laughing Gull, 5; Bonaparte's Gull, 35; Mourning Dove, 7; Barn Owl, 1; Screech Owl, 1; Barred Owl, 2; Short-eared Owl, 3; Belted Kingfisher, 6; Yellow-shafted Flicker, 9; Yellow-bellied Sapsucker, 1 (second time on count); **Hairy Woodpecker,** 56 (nearly twice the no. ever recorded); Downy Woodpecker, 83; Blue Jay, 184; Am. Crow, 265; Black-capped Chickadee, 445; **Brown-capped Chickadee,** 2 (second time on count—J.B.); Tufted Titmouse, 5; White-breasted Nuthatch, 86; Red-breasted Nuthatch, 9; Brown Creeper, 7; Winter Wren, 3; Short-billed Marsh Wren, 1; Catbird, 3; Brown Thrasher, 1; Am. Robin, 13; Hermit Thrush, 1; Eastern Bluebird, 14; Golden-crowned Kinglet, 2; Cedar Waxwing, 5; Common Starling, 2700; Myrtle Warbler, 22; Palm Warbler (Western), 1 (second time on count); House Sparrow, 625; Eastern Meadowlark, 68; Red-winged Blackbird, 94; Rusty Blackbird, 22; Purple Grackle, 29 (including 28 Bronzed); Brown-headed Cowbird, 122; Cardinal, 4; Purple Finch, 4; Pine Siskin, 16; Am. Goldfinch, 145; Eastern Towhee, 1; Savannah Sparrow, 45; Sharp-tailed Sparrow, 1; Vesper Sparrow, 3; Slate-colored Junco, 290; Am. Tree Sparrow, 260; Field Sparrow, 87; White-throated Sparrow, 300; Fox Sparrow, 2; Swamp Sparrow, 10; Song Sparrow, 280. **Total,** 103 species (1 additional subspecies); approximately 35,-436 individuals (Seen Dec. 21: 1 Dovekie picked up alive in the streets of Bronxville by H. Darrow, taken home but died later.)—T. Appel, G. Banner, N. Boyajian, J. Bull, I. Cantor, H. Darrow, E. Dreyman, E. Eisenmann, W. Ephraim, W. Feigin, M. Glasser, H. Goebel, C. Heller, R. Herbert, R. Kesner, J. Kieran, G. Komorowski, R. Lehrman, N. Levine, J. Mayer, A. Milch, J. Nolan, W. Norse, J. Orenstein, H. Paskin, Mr. and Mrs. J. Philips, R. Rashbaum, M. Russak, R. Ryan, W. Sedwitz, Mrs. K. Skelton, W. Soloman, J. Stegle, H. Stein, A. and R. Thomas, Miss I. Werner, R. Wolk.

**64. Buffalo, N. Y.** (same as last year).—Dec. 30; 7 a.m. to 6 p.m. Fog, cloudy; temp. 40° to 45°; wind SW, 0-10 m.p.h.; ground covered with 7-in. snow; small streams frozen, ice bridge at Falls. Forty-eight observers in 15 parties. Total party-hours, 99; total party-miles, 499 (75 on foot, 424 by car). Common Loon, 3; Great Blue Heron, 4; Black-crowned Night Heron, 8; Mallard, 219; Black Duck, 764; Gadwall, 1; Pintail, 27; Redhead, 10; Canvas-back, 9562; Greater Scaup, 5341; Lesser Scaup, 35; Am. Golden-eye, 2537; Buffle-head, 39; Old-squaw, 62; Harlequin Duck, 1 (Mrs. E.C.U. and party; present since Nov. 18 and seen by nearly all local observers); White-winged Scoter, 5; Hooded Merganser, 3; Am. Merganser, 1065; Red-breasted Merganser, 110; Cooper's Hawk, 3; Red-tailed Hawk, 25; Red-shouldered Hawk, 1 (B.N., I.W., J.B.); Rough-legged Hawk, 5; Bald Eagle, 1; Marsh Hawk, 1; Sparrow Hawk, 45; Ruffed Grouse, 5; Ring-necked Pheasant, 364; Glaucous Gull, 2; Iceland Gull, 1; Great Black-backed Gull, 66; Herring Gull, 2506; Ring-billed Gull, 106; Bonaparte's Gull, 10; Screech Owl, 4; Horned Owl, 1; Long-eared Owl, 4; Belted Kingfisher, 2; Yellow-shafted Flicker, 1; Red-headed Woodpecker, 5; Hairy Woodpecker, 18; Downy Woodpecker, 60; Blue Jay, 102; Am. Crow, 285; Black-capped Chickadee, 325; Brown-capped Chickadee, 2; White-breasted Nuthatch, 60; Red-breasted Nuthatch, 4; Brown Creeper, 20; Winter Wren, 2; Am. Robin, 1; Golden-crowned Kinglet, 4; Common Starling, 1909; House Sparrow, 1621; Cardinal, 29; Common Redpoll, 1; Pine Siskin, 6; Am. Goldfinch, 1; Eastern Towhee, 3; Slate-colored Junco, 21; Am. Tree Sparrow, 197; White-throated Sparrow, 1; Song Sparrow, 7. **Total,** 63 species; 27,633 individuals.—Wm. H. Almendinger, Dr. and Mrs. Harold H. Axtell, Eric W. Bastin, Clark S. Beardslee, James Braunberns, Mr. and Mrs. Arthur C. Brettle, Mr. and Mrs. Winston W. Brockner, Richard Byron, Mary Louise Emerson (compiler), Elizabeth H. Faul, John Filor, Jennie Graham, Fred T. Hall, Mr. and Mrs. Axel Heilborn, Julie Heilborn, Karl Heilborn, Wm. Horne, Eleanor Jones, Hart Kivett, Mr. and Mrs. Walter Klabunde, Philip Klabunde, Mercedeth Lovelace, Whitney Mallam, Harold D. Mitchell, Bernard Nathan, Mr. and Mrs. George W. North, Wheeler H. Rogerson, James Savage, Arthur Schaffner, Heather G. Thorpe, Mr. and Mrs. A. V. Tulinoff, Lena Turner, Mr. and Mrs. Edward C. Ulrich, Mr. and Mrs. Wm. C. Vaughan, Robert Wagner, Gertrude G. Webster, Marie A. Wendling, Ellen J. Windsor, Irwin Woldman.

**65. Conesus and Hemlock Lakes, N. Y.** (both lakes, their shores and swamps and intermediate higher farmland; water 27%, open farmland 46%, deciduous woods 5%, coniferous woods 8%, frozen swamp 5%, summer cottage area 9%).—Dec. 23; 7:30 a.m. to 2 p.m. Cloudy with intermittent light snow flurries toward end; temp. 16° at beginning, 25° at end; wind S to W, 3-15 m.p.h.; ground bare to partly snow-covered, maximum 3 in.; Conesus 60% frozen, Hemlock clear of ice except at margins; swamps frozen, streams frozen. Two observers in 1 party. Total hours, 7 (2 on foot, 5 in car); total miles, 45 (2 on foot, 43 in car). Common Loon, 2; Horned Grebe, 1; Mallard, 51; Black Duck, 750

(125, 625 est.); Ring-necked Duck, 2; Canvas-back, 345 (45, 300 est.); Greater Scaup, 150 (150 est.); Am. Golden-eye, 18; Old-squaw, 4; White-winged Scoter, 1; Ruddy Duck, 3; Hooded Merganser, 5; Am. Merganser, 30; Red-tailed Hawk, 1; Sparrow Hawk, 2; Herring Gull, 8; Ring-billed Gull, 1; Downy Woodpecker, 2; Blue Jay, 2; Am. Crow, 25; Black-capped Chickadee, 3; House Sparrow, 5; Am. Tree Sparrow, 7. **Total,** 23 species; 1418 individuals. —Reginald W. Hartwell, Allan S. Klonick.

66. **Cortland, N. Y.** (same as last year).—Dec. 29; 7 a.m. to 5 p.m. Cloudy, occasional snow squalls; temp. 27° to 45°; wind SE to SW, 2-25 m.p.h.; 13-in. snow on ground; streams open, Otter Creek dry. Two observers in 2 parties. Total party-hours, 15 (12 on foot, 3 by car); total party-miles, 60 (11 on foot, 49 by car). Pied-billed Grebe, 3; Great Blue Heron, 3; Mallard, 10; Black Duck, 36; Pintail, 3; Redhead, 110; Ring-necked Duck, 5; Canvas-back, 192; Greater Scaup, 9; Lesser Scaup, 4; Am. Golden-eye, 39; Ruddy Duck, 1; Am. Merganser, 42; Sparrow Hawk, 1; Ruffed Grouse, 5; Ring-necked Pheasant, 2; Herring Gull, 19; Screech Owl, 1; Horned Owl, 1; Hairy Woodpecker, 2; Downy Woodpecker, 8; Am. Crow, 32; Black-capped Chickadee, 110; White-breasted Nuthatch, 5; Golden-crowned Kinglet, 8; Common Starling, 321; House Sparrow, 172; Cardinal, 2; Pine Grosbeak, 1; Am. Tree Sparrow, 7; White-throated Sparrow, 1; Song Sparrow, 2; Snow Bunting, 90. **Total,** 33 species; 1247 individuals.—Harold H. Axtell, Rachel C. Axtell.

67. **Croton Point, N. Y.** (same as past 3 years; woods 50%, cattail marshes 25%, garbage dump 5%, shore 15%, fields 5%).—Dec. 22; 7:15 a.m. to 4:35 p.m. Clear; temp. 22° to 38°; wind NW, 30 m.p.h.; no ice on rivers, snow on ground only in pine groves. Four observers in 1 party. Total party-hours, 37¼ (35¼ on foot, 2 by car); total party-miles, 40 (32 on foot, 8 by car). Black Duck, 18; Am. Golden-eye, 10; Am. Merganser, 6; Sharp-shinned Hawk, 1; Red-tailed Hawk, 3; Bald Eagle, 4; Am. Coot, 5; Great Black-backed Gull, 10; Herring Gull, 1500 (est.); Ring-billed Gull, 1; Barn Owl, 1; Barred Owl, 1; Long-eared Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 1; Hairy Woodpecker, 7; Downy Woodpecker, 5; Am. Crow, 10; Black-capped Chickadee, 10; White-breasted Nuthatch, 4; Red-breasted Nuthatch, 1; Brown Creeper, 2; Am. Robin, 2; Eastern Bluebird, 10; Golden-crowned Kinglet, 3; Common Starling, 700 (est.); House Sparrow, 35 (est.); Red-winged Blackbird, 1; Cardinal, 4; Pine Grosbeak, 1♀; Pine Siskin, 29; Am. Goldfinch, 8; Savannah Sparrow, 3; Slate-colored Junco, 7; Am. Tree Sparrow, 35; White-throated Sparrow, 25; Fox Sparrow, 1; Swamp Sparrow, 2; Song Sparrow, 17. **Total,** 39 species; about 2485 individuals.—Walter Bock, Richard B. Fischer (compiler), C. H. Jacob, Jr., Duncan MacKenzie.

68. **Elmira, N. Y.** (same area as last year; upland coniferous woods 15%, upland deciduous 7%, upland mixed 32%, plowed fields 3%, shrubby fields 8%, grassy fields 5%, cattail marsh 4%, river border 8%, creek borders 18%).—Dec. 29; 8 a.m. to 4:30 p.m. Thick overcast; temp. 28° to 40°; wind SE-S, 0-18 m.p.h.; 8-in. snow on ground; most of smaller streams frozen. Twenty-three observers in 12 parties. Total party-hours, 36 (27 on foot, 9 by car); total party-miles, 155 (29 on foot, 126 by car). Black Duck, 3; Am. Golden-eye, 5; Am. Merganser, 33; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 1; Sparrow Hawk, 6; Ruffed Grouse, 3; Ring-necked Pheasant, 24; Herring Gull, 22; Mourning Dove, 11; Screech Owl, 1; Horned Owl, 3; Belted Kingfisher, 1; Pileated Woodpecker, 2; Hairy Woodpecker, 9; Downy Woodpecker, 42; Blue Jay, 89; Am. Crow, 38; **Black-capped Chickadee,** 194; Tufted Titmouse, 3; White-breasted Nuthatch, 58; Brown Creeper, 2; **Winter Wren,** 1; Golden-crowned Kinglet, 5; Common Starling, 372; House Sparrow, 614; **Purple Grackle (Bronzed),** 1; Brown-headed Cowbird, 2; Cardinal, 27; Evening Grosbeak, 20; Pine Grosbeak, 12; Am. Goldfinch, 2; Slate-colored Junco, 25; Am. Tree Sparrow, 236; Song Sparrow, 3; Snow Bunting, 20. **Total,** 37 species; 1892 individuals.—R. Andrus, R. Brown, M. Campbell, R. Carlson, M. Embler, A. W., C., and V. Fudge, A. Kiemle, M. Lawrence, J. Logan, B. MacDougall, C. and H. Mann, G. Parsons, A. Ramstein, C. and H. Samson, M. H. and M. P. (compiler) Welles, L. Woodward, A. and O. York (Chemung Valley Audubon Society).

69. **Fort Plain, N. Y.** (Mohawk River, valleys of Oak and Eisenlord Creeks; mixed deciduous and coniferous woods 40%, river swamps and flats 30%, open farm land 30%).—Dec. 30; 8 a.m. to 4:30 p.m. Cloudy, rain in p.m.; temp. 34° to 34°; wind SE, 0-3 m.p.h.; 16-in. snow; streams partly open. One observer. Total party-hours, 8½ (on foot); total party-miles, 10 (on foot). Black Duck, 2; Am. Merganser, 21; Rough-legged Hawk, 1; Ring-necked Pheasant, 13; Herring Gull, 1; Hairy Woodpecker, 1; Downy Woodpecker, 7; Blue Jay, 5; Am. Crow, 5; Black-capped Chickadee, 19; White-breasted Nuthatch, 4; Brown Creeper, 2; Common Starling, 102; House Sparrow, 70; Am. Goldfinch, 6; Am. Tree Sparrow, 32. **Total,** 16 species; 291 individuals. (Seen in area Dec. 15: White-throated Sparrow, 1.) —Douglas Ayres, Jr.

70. **Geneva, N. Y.** (same as last year; open farm land 45%, town suburbs 15%, mixed woods 25%, lake 15%).—Dec. 30; 8 a.m. to 4 p.m. Drizzling rain; temp. 40° to 38°; wind south, 5 m.p.h.; ground snow covered. Eighteen observers in 9 parties. Total party-hours, 40 (18 on foot, 22 by car); total party-miles, 165 (20 on foot, 145 by car). Horned Grebe, 21; Great Blue Heron, 2; Mallard, 20; Black Duck, 310; Redhead, 3; Canvas-back, 30; Greater Scaup, 1500 (est.); Lesser Scaup, 25; Am. Golden-eye, 48; Buffle-head, 6; Old-squaw, 16; Am. Merganser, 9; Red-breasted Merganser, 5; Cooper's Hawk, 2; Red-tailed Hawk, 3; Bald Eagle, 1; Marsh Hawk, 1; Sparrow Hawk, 1; Ring-necked Pheasant, 48; Am. Coot, 21; Great Black-backed Gull, 7; Herring Gull, 121; Ring-billed Gull, 5; Barn Owl, 2; Hairy Woodpecker, 4; Downy Woodpecker, 7; Horned Lark, 3;

Blue Jay, 3; Am. Crow, 270; Black-capped Chickadee, 60; White-breasted Nuthatch, 9; Red-breasted Nuthatch, 1; Brown Creeper, 2; Common Starling, 110; House Sparrow, 280; Cardinal, 18; Slate-colored Junco, 22; Am. Tree Sparrow, 48; Song Sparrow, 2. **Total,** 39 species; 3046 individuals. (The scarcity of Redheads and Canvas-backs at Geneva may be due to construction work at the foot of the lake which causes them to feed outside the limits set for this census. Cardinals were more numerous than in previous years.)—Lucy Austin, Dr. and Mrs. Paul J. Chapman, Leora M. Dryer, Frederick Z. Hartzell, Lansing S. Hoskings, Jr., Ethel McGuire, Dr. and Mrs. Samuel A. Munford, Ethel Murden, C. Sealy Peck, Guion Roland, Thomas Smart, Loren D. Ward, John Wellington, Mrs. William Wheeler, Carl Wheeler, Jason Walker (Eaton Bird Club).

71. **Gouverneur, N. Y.** (7½-mile radius centering on village park including Hailsboro and natural dam; open farmland 40%, hemlock and hardwood groves 30%, village streets, cemetery and dump 20%, river bank 10%).—Dec. 24; 7:20 a.m. to 12 m. Partly overcast 2-4 p.m.; temp. 16° to 28°; wind NW, 0-5 m.p.h.; intermittent light snow, 12-15 in. snow on ground; some open water. Two observers in 1 party. Total party-hours, 6½ (5 on foot, 1½ by car); total party-miles, 35 (5 on foot, 30 by car). Am. Merganser, 2; Ruffed Grouse, 7; Ring-necked Pheasant, 1; Pileated Woodpecker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 1; Blue Jay, 5; Black-capped Chickadee, 14; White-breasted Nuthatch, 4; Common Starling, 200; House Sparrow, 75; Evening Grosbeak, 45; Pine Grosbeak, 1; Snow Bunting, 125. **Total,** 14 species; 482 individuals.—Geo. H. Hanlon, J. B. Belknap.

72. **Jamestown, N. Y.** (7½-mile radius from center of town, north to Gerry, south to state line, east to Poland, west to Ashville; fields 45%, deciduous woodland 25%, coniferous woodland 15%, suburbs 10%, water 5%).—Dec. 23; 7 a.m. to 5:30 p.m. Overcast; temp. 16° to 25°; wind SW, 12-20 m.p.h.; 6-15 in. of crusted snow; all water frozen except Cassadaga Creek and parts of the Chadacoin River. Thirteen observers in 4 parties. Total party-hours, 20½ (14 on foot, 6½ by car); total party-miles, 71 (22 on foot, 49 by car). **Ring-necked Duck,** 1 (seen well at close range—R.A.S., R.F.); Am. Goldeneye, 4; Cooper's Hawk, 1; Sparrow Hawk, 1; Ring-necked Pheasant, 16; Herring Gull, 4; Screech Owl, 1; Yellow-shafted Flicker, 1 (R.S., P.L.); Hairy Woodpecker, 3; Downy Woodpecker, 19; **Horned Lark,** 4 (very unusual Dec. to Feb.—C.B.); **Blue Jay,** 34; Am. Crow, 1; **Black-capped Chickadee,** 135; White-breasted Nuthatch, 17; Red-breasted Nuthatch, 1; Brown Creeper, 10; Winter Wren, 1; Am. Robin, 1 (P.N.); Golden-crowned Kinglet, 4; Common Starling, 1320; House Sparrow, 235; **Eastern Meadowlark,** 1 (1st winter record—C.B., R.A.S., J.B.); Red-winged Blackbird, 2; **Purple Grackle,** 1 (regular visitor to feeding station—Mrs. E.C.); **Cardinal,** 14; Evening Grosbeak, 47; Am. Goldfinch, 1; Slate-colored Junco, 9; Am. Tree Sparrow, 68; Song Sparrow, 4. **Total,** 31 species; about 1961 individuals. (Daily visitor to feeding station in census area since Dec. 26: Brown-capped Chickadee, 1.)—John Barkie, C. Beal, Mrs. E. Clark, R. Folker, Miss A. Hillar, R. Jurkowski, P. Lenna, D. Lockwood, P. Nelson, R. Olson, D. Powers, R. A. Sundell, R. H. Sundell.

73. **Kingston-Lake Mohonk-Ashokan Reservoir Triangle, N. Y.** (same as last year, except lower wooded slope about Mohonk gate house not included).—Dec. 30; 7 a.m. to 5 p.m. Cloudy, fog, later rain; temp. 34° to 38°; no wind; 8-in. snow, vegetation clear, fog becoming dense by 3 p.m. Nine observers in 5 parties. Total party-hours, 23 (18 on foot, 5 by car); total party-miles, 40 (8 on foot, 32 by car). Black Duck, 78; Am. Merganser, 20; Cooper's Hawk, 1; Red-shouldered Hawk, 1; Sparrow Hawk, 2; Ruffed Grouse, 5; Ring-necked Pheasant, 7; Herring Gull, 45; Horned Owl, 1; Pileated Woodpecker, 2; Hairy Woodpecker, 8; Downy Woodpecker, 14; Blue Jay, 42; Am. Crow, 71+; Black-capped Chickadee, 124; White-breasted Nuthatch, 21; Red-breasted Nuthatch, 7; Brown Creeper, 8; Am. Robin, 1; Eastern Bluebird, 3; Golden-crowned Kinglet, 14; Common Starling, 252+; House Sparrow, 127+; Cardinal, 4; Purple Finch, 11; Am. Goldfinch, 40; Slate-colored Junco, 49; Am. Tree Sparrow, 56; White-throated Sparrow, 4; Song Sparrow, 4. **Total,** 30 species; 1022 individuals.—A. M. Cragin, M. B. Cragin, H. F. Dunbar, I. K. Dunbar (compiler), F. N. Hough, R. Pyle, D. Smiley, Jr., E. R. Smith, R. Weyte (John Burroughs Natural History Society).

74. **Manhattan, N. Y.** (same area as last year; city parks 56%, sheltered salt water 28%, deciduous woodland 10%, fresh water 4%, city streets 2%).—Dec. 29; 7 a.m. to 5 p.m. Cloudy all day; temp. 32° to 40°; wind S, 2-5 m.p.h.; ground frozen, some scattered snow. Thirteen observers in 5 parties. Total party-hours, 37 (29 on foot, 8 by boat); total party-miles, 79 (39 on foot, 40 by boat). Common Loon, 1; Black-crowned Night Heron, 1; Canada Goose, 12; Mallard, 81; Black Duck, 510; Am. Widgeon, 4; Greater Scaup, 248; Am. Golden-eye, 20; Am. Scoter, 2; Am. Merganser, 13; Red-breasted Merganser, 12; Peregrine Falcon, 2; Sparrow Hawk, 5; Ring-necked Pheasant, 1; Great Black-backed Gull, 48; Herring Gull, 2025 (875, 1150); Ring-billed Gull, 50; **Black-headed Gull,** 2 (5th straight year—N.B.); Bonaparte's Gull, 240; Yellow-shafted Flicker, 2; Hairy Woodpecker, 19; Downy Woodpecker, 19; Blue Jay, 17; Black-capped Chickadee, 18; White-breasted Nuthatch, 4; Red-breasted Nuthatch, 1; Am. Robin, 4; Hermit Thrush, 2; **Common Starling,** 82,000; Myrtle Warbler, 1; House Sparrow, 525; Red-winged Blackbird, 42; Rusty Blackbird, 10; Purple Grackle, 26; Brown-headed Cowbird, 44 (all blackbirds at big starling roost); Cardinal, 4; Purple Finch, 1; Am. Goldfinch, 8; Slate-colored Junco, 22; Field Sparrow, 4; White-throated Sparrow, 49; Song Sparrow, 54. **Total,** 42 species; 86,153 individuals.—Arthur Aronoff, Ned Boyajian, William Collins, William Cooney, George Dock, Ezra Feinberg, Mr. and Mrs. Guthrie, Samuel Harriot, Richard Harrison, James Nolan, Richard Ryan, Kathleen Skelton.

**75. Monticello, N. Y.** (area essentially the same as in 1950, but with the addition of a portion of the Mongaup River; feeders 17%, village area 9%, open fields and farmlands 23%, brushy hillsides 9%, mixed deciduous and coniferous woods 35%, river borders 7%).—Dec. 29; 7 a.m. to 5:30 p.m. Cloudy, snow in a.m.; temp. 20° to 30°; wind WSW to SSE, 0-3 m.p.h.; 10 to 16 in. snow; lakes frozen, river open. Twelve observers in 7 parties. Total party-hours, 10¼ (2¼ on foot, 5½ by car, 2½ on snowshoes); total party-miles, 62 (4 on foot, 53 by car, 5 on snowshoes). Mallard, 3; Black Duck, 4; Am. Golden-eye, 1; Am. Merganser, 13; Ruffed Grouse, 2; Ring-necked Pheasant, 5; Horned Owl, 4; Hairy Woodpecker, 7; Downy Woodpecker, 10; Blue Jay, 20; Black-capped Chickadee, 96; White-breasted Nuthatch, 9; Brown Creeper, 1; Golden-crowned Kinglet, 2; Common Starling, 56; House Sparrow, 126; Evening Grosbeak, 13; Pine Siskin, 30; Am. Tree Sparrow, 8. **Total,** 19 species; 410 individuals. (Seen during the period: Red-tailed Hawk, 1; Cedar Waxwing, 4; Snowy Owl, 1. A ♀ Pine Grosbeak picked up exhausted on Dec. 22, was banded and released on Dec. 27.)—Richard Johnston, Mr. and Mrs. Edward McBride, Mrs. L. C. Mitchell, K. D. Niven, Norma Niven, Jack O'Donnell, Ruth Pokorny, Mrs. L. Pokorny, Estelle Schulman, Mrs. D. R. Race, Mrs. A. Winterberger (Sullivan Co. Audubon Society).

**76. Olean, N. Y.** (7½-mile radius centering on Union and State Streets and including the Allegheny River from the Pennsylvania State Line to Vandalia, north to Hinsdale and south to Knapp Creek; cleared land in valley 35%, mixed coniferous deciduous forest 45%, stream border 20%).—Dec. 30; 8 a.m. to 5 p.m. Thick fog, some rain; temp. 34° to 36°; no wind; 12-18 in. snow; Allegheny River mostly frozen over; 2½ miles of open water. Four observers in 2 parties. Total party-hours, 8 (4 on foot, 4 by car); total party-miles, 40 (5 on foot, 35 by car). Pied-billed Grebe, 1; Ring-necked Pheasant, 2; Belted Kingfisher, 1; Pileated Woodpecker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 6; Blue Jay, 18; Black-capped Chickadee, 20; White-breasted Nuthatch, 6; Brown Creeper, 3; Golden-crowned Kinglet, 7; Common Starling, 75; House Sparrow, 85; Cardinal, 5; Evening Grosbeak, 10; Am. Goldfinch, 2; Slate-colored Junco, 5; Am. Tree Sparrow, 17; Song Sparrow, 1. **Total,** 19 species; 266 individuals. (Seen during the week: Ruffed Grouse, Am. Merganser, Winter Wren.)—Henry Donahue, S. W. Eaton, F. G. Meyers, Robert Werrlein.

**77. Port Chester, N. Y.** (extreme eastern Westchester County, N. Y., Greenwich and Stamford, Conn., including Audubon Nature Center, Manursing Island, Rye and Kensico Lakes; open fields 10%, brush-grown fields 10%, town and suburbs 25%, deciduous woodlots 40%, coniferous woods 2%, cattail marsh 1%, Long Island Sound 12%).—Dec. 22; 7 a.m. to 5 p.m. Clear; temp. 25° to 30°; wind NW, 20-25 m.p.h.; ponds frozen, reservoirs partly open. Thirty-one observers in 11 parties, and 24 observers at feeding stations. Total party-hours, 82 (52 on foot, 30 by car); total party-miles, 198 (62 on foot, 136 by car). Common Loon, 1; Red-throated Loon, 9; Red-necked Grebe, 1; Horned Grebe, 59; Pied-billed Grebe, 5; European Cormorant, 16; Great Blue Heron, 21; Black-crowned Night Heron, 14; Mute Swan, 2; Canada Goose, 216; Mallard, 565; Black Duck, 2654; Am. Widgeon, 6; Ring-necked Duck, 6; Canvasback, 8; Greater Scaup, 3670; Am. Golden-eye, 369; Buffle-head, 42; Old-squaw, 52; White-winged Scoter, 115; Surf Scoter, 8; Am. Scoter, 2; Ruddy Duck, 2; Hooded Merganser, 27; Am. Merganser, 357; Red-breasted Merganser, 247; Sharp-shinned Hawk, 2; Cooper's Hawk, 1; Red-tailed Hawk, 10; Red-shouldered Hawk, 10; Sparrow Hawk, 10; Ruffed Grouse, 2; Ring-necked Pheasant, 18; Am. Coot, 2; Killdeer, 12; Great Black-backed Gull, 20; Herring Gull, 5250; Ring-billed Gull, 3; Laughing Gull, 10; Mourning Dove, 63; Barn Owl, 1; Screech Owl, 1; Horned Owl, 2; Barred Owl, 3; Short-eared Owl, 1; Saw-whet Owl, 1; Belted Kingfisher, 5; Red-shafted Flicker, 5; Pileated Woodpecker, 2; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 16; Downy Woodpecker, 66; Blue Jay, 164; Am. Crow, 369; Fish Crow, 1 (S. and C.R.); Black-capped Chickadee, 476; Brown-capped Chickadee, 1 (P.C.S.); Tufted Titmouse, 3; White-breasted Nuthatch, 80; Red-breasted Nuthatch, 28; Brown Creeper, 15; Winter Wren, 3; Am. Robin, 15; Hermit Thrush, 1; Eastern Bluebird, 20; Golden-crowned Kinglet, 16; Water Pipit, 4; Cedar Waxwing, 8; Gray Shrike, 1; Common Starling, 440; Myrtle Warbler, 49; Pine Warbler, 1 (P.C.S.); House Sparrow, 431; Eastern Meadowlark, 34; Red-winged Blackbird, 1; Rusty Blackbird, 1 (W.B.C.); Purple Grackle, 2; Brown-headed Cowbird, 32; Cardinal, 28; Dickcissel, 1 (P.C.S.); Evening Grosbeak, 5; Purple Finch, 151; Pine Grosbeak, 33; Common Redpoll, 14; Pine Siskin, 13; Am. Goldfinch, 56; Eastern Towhee, 7; Savannah Sparrow, 2; Slate-colored Junco, 365; Am. Tree Sparrow, 115; Chipping Sparrow, 1 (P.C.S.); White-throated Sparrow, 298; Fox Sparrow, 11; Swamp Sparrow, 1; Song Sparrow, 64; Snow Bunting, 8. **Total,** 96 species; 17,362 individuals. (House Finch, 6, Dec. 24, by Bradley, *et al,* Harlequin Duck, 1, Dec. 29, by S. and C. Roesler.)—Mr. and Mrs. E. W. Blodgett, D. Bolling, L. J. Bradley, A. and H. Bristow, S. W. Bromley, R. L. Burdsall, W. B. Cook, F. Cormier, Mrs. H. C. Draper, Mrs. E. Easton, G. W. Fiero, Mrs. C. Gortner, Mrs. W. Geis, K. Hart, W. B. Hastings, G. W. Hebard, Mrs. G. H. Kautzman, E. T. Luhde, J. C. Maples, C. E. Mohr, J. Moxhay, M. Oboiko, J. W. Phelps, Mr. and Mrs. S. M. Roesler, W. B. Scofield, A. Schulman, P. C. Spofford, J. Thompson; and the following, at feeding stations: Mrs. C. Booth, Mrs. L. C. Chamberlain, Mr. and Mrs. C. Dixon, Mrs. G. Everett, Mrs. K. Force, Mrs. V. L. Hall, Mrs. A. F. Hayes, Mrs. C. B. Larrabee, G. and D. McDougall, Mrs. I. A. McFarland, Mrs. A. Messick, Mrs. C. J. Morse, Mrs. W. Pendleton, Mrs. S. Potter, Mrs. A. Rockefeller, Mr. and Mrs. T. Scudder, J. Taylor, Mrs. E. Ward, A. Wing, M. L. Winton, V. Worrell.

**78. Rensselaerville (Albany Co), N. Y.** (7½-mile radius, centering on Edmund Niles Huyck Pre-

serve; woodland 60%, farmland 40%; altitude, 1200 to 2000 ft.).—Dec. 27; 8 a.m. to 4:20 p.m. Clear to cloudy, with some snow flurries; temp. 6° to 18°; wind NW, 5-20 m.p.h.; ground covered with 14-in. crusted snow; all ponds frozen. Twenty-one observers in 3 parties. Total party-hours, 23 (17 on foot, 6 by car); total party-miles, 89 (11 on foot, 78 by car). Ruffed Grouse, 4; Ring-necked Pheasant, 14; Pileated Woodpecker, 2; Hairy Woodpecker, 2; Downy Woodpecker, 6; Horned Lark, 7; Blue Jay, 20; Am. Crow, 29; Black-capped Chickadee, 82; White-breasted Nuthatch, 9; Brown Creeper, 1; Golden-crowned Kinglet, 3; Common Starling, 90; House Sparrow, 115; Pine Grosbeak, 68; Slate-colored Junco, 5; Am. Tree Sparrow, 37; Song Sparrow, 1; Snow Bunting, 104. **Total,** 19 species; 599 individuals.—Ada Baitsholts, Charles Baitsholts, Eileen Baitsholts, Mr. and Mrs. George R. Cooley, Ruth Eldridge, Paul S. Graham, Jr., Marilyn Hagburg, Frances Hatch, Beverly Kellie, Sally Kelly, Paul C. Lemon, Francine Mead, Martha Melhado, Sally Melhado, Ralph S. Palmer, Florence Peasley, Anna W. Perkins, Marjorie M. Stewart, Mr. and Mrs. James L. Tigner.

**79. Rochester, N. Y.** (7½-mile radius centering on Dewey Ave. and Stone Rd. as 1950).—Dec. 30; 5:30 a.m. to 6:30 p.m. Cloudy, fog in morning; temp. 39° to 35°; wind NW to S, 7-15 m.p.h.; ground covered with 6-in. snow; all ponds frozen, Lake Ontario open. Fifty-four observers in 21 parties. Total party-hours, 146 (96 on foot, 50 by car); total party-miles, 624 (105 on foot, 519 by car). Common Loon, 3; Mallard, 53; Black Duck, 297 (70 est., 227); Wood Duck, 1; Greater Scaup, 70 (est.); Lesser Scaup, 30 (est.); Am. Golden-eye, 111; Buffle-head, 5; Oldsquaw, 21; White-winged Scoter, 2; Surf Scoter, 1; **Am. Merganser,** 802 (755 est., 47); Red-breasted Merganser, 80 (70 est., 10); Cooper's Hawk, 1; Red-tailed Hawk, 6; Rough-legged Hawk, 2; Marsh Hawk, 1; Sparrow Hawk, 11; **Ring-necked Pheasant,** 412; **Virginia Rail,** 2; Florida Gallinule, 1; **Glaucous Gull,** 2; Iceland Gull, 1; **Great Black-backed Gull,** 32; Herring Gull, 3158 (2750 est., 408); Ring-billed Gull, 491 (360 est., 131); Mourning Dove, 1; **Screech Owl,** 12; **Horned Owl,** 7; Short-eared Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 2; **Hairy Woodpecker,** 20; Downy Woodpecker, 59; **Blue Jay,** 42; **Am. Crow,** 3672 (500 est., 3172); Black-capped Chickadee, 366 (100 est., 266); White-breasted Nuthatch, 35; **Red-breasted Nuthatch,** 18; Brown Creeper, 19; Winter Wren, 3; **Long-billed Marsh Wren,** 7 (observed continuously prior to census—T.B.); Catbird, 1; Am. Robin, 5; Eastern Bluebird, 1; **Golden-crowned Kinglet,** 139 (100 est., 39); **Water Pipit,** 1 (watched 3 minutes at 50-80 ft.—B.A.J. and others); Cedar Waxwing, 20; Common Starling, 919 (510 est., 409); House Sparrow, 510 (135 est., 375); Eastern Meadowlark, 3; Red-winged Blackbird, 8; Rusty Blackbird, 2; Brown-headed Cowbird, 1; **Cardinal,** 48; Evening Grosbeak, 1; **Pine Grosbeak,** 71; Common Redpoll, 8; **Pine Siskin,** 43; Am. Goldfinch, 16; **Savannah Sparrow,** 1 (studied at very close range for 45 min.; full description furnished—R.E.D., H M.F.); Slate-colored Junco, 23; Am. Tree Sparrow, 563 (145 est., 418); White-throated Sparrow, 2; Swamp Sparrow, 5; Song Sparrow, 23; Snow Bunting, 85. **Total,** 67 species; 12,360 individuals. (Seen in area Dec. 29, Bald Eagle, 1.)—Mr. and Mrs. T. Barry, D. B. Bieber, J. W. Brown, H. E. Clements, J. J. Conway, Jr., Mr. and Mrs. R. Dakin, G. L. Davis, R. T. Dobson, R. E. Dolan, R. J. Dolan, Mr. and Mrs. W. L. G. Edson, R. Folker, H. M. Foster, H. Fritts, Dr. M. R. Goff, R. W. Hartwell, D. Howland, C. Jarvis, B. A. Johnson, Jr., G. W. Jones, Jr., Mr. and Mrs. A. E. Kemnitzer, Mr. and Mrs. A. S. Klonick, Dr. G. W. Leubner, W. C. Listman, H. Lohmeier, Dr. E. B. Mahoney, E. E. McCarthy, R. G. McKinney, Mr. and Mrs. J. McNett, H. S. Miller, A. G. Millikan, Dr. and Mrs. N. S. Moon, Dr. J. Morton, Dr. W. B. Muchmore, D. C. Nelson, R. T. O'Hara, F. Raetz, H. and O. F. Schaefer, A. M. Secker, W. K. Shields, A. and Dr. L. J. Tanghe, J. W. Taylor, M. A. VanAllen, H. VanBeurden, D. Wolf (Genesee Ornithological Society and Burroughs-Audubon Nature Club).

**80. Rockland County, N. Y.** (same area as 1947 and subsequent years; same habitat coverage as 1950).—Dec. 30; 5:45 a.m. to 4:30 p.m. Heavy fog, rain; temp. 38° to 48°; wind S, 0-4 m.p.h.; ground mostly bare, ponds frozen at edges. Thirty-two observers in 8 parties. Total party-hours, 83 (67 on foot, 16 by car); total party-miles, 406 (42 on foot, 364 by car). Black Duck, 41; Am. Merganser, 20; Cooper's Hawk, 1; Red-tailed Hawk, 2; Red-shouldered Hawk, 2; Bald Eagle, 1; Ruffed Grouse, 4; Ring-necked Pheasant, 2; Great Black-backed Gull, 1; Herring Gull, 48; Mourning Dove, 19; Screech Owl, 2; **Horned Owl,** 1 (Mrs. W.G.I.); Barred Owl, 3; Belted Kingfisher, 4; Yellow-shafted Flicker, 6; Hairy Woodpecker, 14; Downy Woodpecker, 69; Blue Jay, 209; Am. Crow, 102; Black-capped Chickadee, 360; Tufted Titmouse, 103; White-breasted Nuthatch, 113; **Red-breasted Nuthatch,** 17; **Brown Creeper,** 26; Winter Wren, 1; **Mockingbird,** 2 (Mrs. E.B.B., E.R.B.); Catbird, 2; Am. Robin, 22; Eastern Bluebird, 40; Golden-crowned Kinglet, 8; Cedar Waxwing, 1; Common Starling, 453; Myrtle Warbler, 53; House Sparrow, 605; Red-winged Blackbird, 22; Brown-headed Cowbird, 1; Cardinal, 73; Purple Finch, 45; **Pine Grosbeak,** 6; Am. Goldfinch, 100; Eastern Towhee, 4; Slate-colored Junco, 462; Am. Tree Sparrow, 327; Field Sparrow, 8; **White-throated Sparrow,** 445 (more than double any previous year); Song Sparrow, 115. **Total,** 47 species; 3965 individuals. (Seen in area Dec. 29: Marsh Hawk; Dec. 31: Am. Golden-eye, Ruddy Duck, Carolina Wren, Evening Grosbeak.)—Mrs. Earl B. Brown, Eugene R. Brown, Mrs. Jane Brownbridge, Jennifer Brownbridge, Dr. Robert L. Burkhart, Wesley Cashatt, Jean Davidson, Robert F. Deed, Katherine D. Dienemann, Theodore Eiben, Betty Fox, Mrs. John Hardman, Dr. Marjorie R. Hopper, Mrs. William G. Irving, Homer S. Kelsey, Edward Kincaid, Mrs. Jamie H. King, Herman Kretschmar, Mr. and Mrs. Richard B. Lyman, Janet Lyman, Richard B. Lyman, Jr., Bertha Miller, John C. Orth, John M. Price, Martin Sickels, Mr.

and Mrs. Frank Steffens, Helene Tietz, Mr. and Mrs. Fred Walter, Thomas C. Wilfred.

81. **Saranac Lake—Lake Placid, N. Y.** (same area as in 1949 and 1950; open farmland 20%, town suburbs 20%, river borders 10%, mixed deciduous and coniferous woodland 40%, blueberry meadow 10%).—Dec. 30; 7:30 a.m. to 4 p.m. Heavy clouds and fog all day; temp. 32° to 34°; no wind; 12-18 in. of snow, lakes and ponds frozen, Saranac River partly open, almost no pine cones. Three observers in 1 party. Total party-hours, 8½ (4 on foot, 4½ by car); total party-miles, 44 (12 on foot, 32 by car). Ruffed Grouse, 1; Ring-necked Pheasant, 1; Saw-whet Owl, 1; Pileated Woodpecker, 1; Hairy Woodpecker, 3; Downy Woodpecker, 3; Horned Lark, 1; Blue Jay, 17; Am. Crow, 2; Black-capped Chickadee, 61; Brown-capped Chickadee, 1; White-breasted Nuthatch, 14; Red-breasted Nuthatch, 3; Gray Shrike, 1; Common Starling, 6; House Sparrow, 12; Evening Grosbeak, 132; Common Redpoll, 26; Pine Siskin, 1; Slate-colored Junco, 6; Am. Tree Sparrow, 4; Song Sparrow, 1; Lapland Longspur, 1; Snow Bunting, 16. **Total,** 24 species; 315 individuals.—Gordon M. Meade, Monique Wiedel, Philip Wiedel.

82. **Schenectady, N. Y.** (same area as in 1929 and subsequent counts; urban and suburban 5%, farmyards 5%, open farmland 40%, light deciduous woods 20%, mixed deciduous and evergreen woods 10%, brushy hillsides and ravines 10%, cattail marshes 10%).—Dec. 30; 7 a.m. to 4:30 p.m.; temp. 35° to 45°; wind E to S, 5 m.p.h.; 8-in. wet and heavy snow on ground; streams mostly open, lakes frozen over. Twenty-nine observers in 6 parties. Total party-hours, 34 (20 on foot, 14 by car); total party-miles, 207 (30 on foot, 177 by car). Am. Merganser, 4; Goshawk, 1; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 4; Peregrine Falcon, 1; Sparrow Hawk, 2; Ruffed Grouse, 2; Ring-necked Pheasant, 87; Herring Gull, 1; Screech Owl, 1; Yellow-shafted Flicker, 1; Pileated Woodpecker, 2; Hairy Woodpecker, 7; Downy Woodpecker, 35; Blue Jay, 97; Am. Crow, 102; Black-capped Chickadee, 219; White-breasted Nuthatch, 39; Brown Creeper, 2; Gray Shrike, 1; Common Starling, 3519; House Sparrow, 359; Red-winged Blackbird, 1; Evening Grosbeak, 24; Pine Grosbeak, 5; Am. Goldfinch, 19; Slate-colored Junco, 13; Am. Tree Sparrow, 229; White-throated Sparrow, 1; Song Sparrow, 10. **Total,** 31 species; 4790 individuals. (Because notification of change of date did not reach some observers, three areas were covered only Dec. 29; added species were Mourning Dove, 2; Belted Kingfisher, 1; Horned Lark, 24; Winter Wren, 1; Golden-crowned Kinglet, 1; Swamp Sparrow, 1; Lapland Longspur, 4.)—Alice Abel, Guy Bartlett, Laura Beck, Mrs. W. L. Butler, Floyd Downs, Mr. and Mrs. Stephen Fordham, Mrs. A. G. Grace, Mr. and Mrs. Esly Hallenbeck, Alice Holmes, Malcolm MacDonald, Samuel Madison, William Matthews, B. D. Miller, P. Schuyler Miller, Stephanie Podrazik, Peter Runge, Michael Shepard, James Staley, Rudolph H. Stone, Lillian C. Stoner, Donald Tucker, Robert W. Underwood, Nelle G. Van Vorst, John L. Voght, Mr. and Mrs. Leon A. Wiard, Robert Yunick (Schenectady Bird Club, Inc.).

83. **Staten Island, N. Y.** (Most sections left in their natural condition: woodlands, meadows, salt marsh, open fields, ponds and streams).—Dec. 30; 6:40 a.m. to 5:15 p.m. Fog and rain; temp. 44° to 55°; wind SW, 15 m.p.h. Twelve observers in 5 parties. Total party-hours, 44½ (30 on foot, 14½ by car); total party-miles, 193 (58¾ on foot, 134¼ by car). Red-throated Loon, 2; Horned Grebe, 18; Black Duck, 534; Greater Scaup, 1200 (est.); Am. Golden-eye, 42; Buffle-head, 237; Old-squaw, 27; White-winged Scoter, 37; Hooded Merganser, 1; Red-breasted Merganser, 10; Cooper's Hawk, 1; Red-tailed Hawk, 3; Marsh Hawk, 4; Sparrow Hawk, 8; Ring-necked Pheasant, 14; Clapper Rail, 1; Killdeer, 15; Purple Sandpiper, 8; Great Black-backed Gull, 45; Herring Gull, 5000 (est.); Ring-billed Gull, 14; Bonaparte's Gull, 250 (est.); Mourning Dove, 12; Long-eared Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 16; Hairy Woodpecker, 1; Downy Woodpecker, 23; Horned Lark, 37; Blue Jay, 80; Am. Crow, 321; Black-capped Chickadee, 74; White-breasted Nuthatch, 24; Red-breasted Nuthatch, 3; Brown Creeper, 1; Carolina Wren, 1; Catbird, 2; Am. Robin, 6; Eastern Bluebird, 1; Common Starling, 700 (est.); Myrtle Warbler, 24; House Sparrow, 83; Eastern Meadowlark, 4; Red-winged Blackbird, 4; Brown-headed Cowbird, 6; Cardinal, 37; Am. Goldfinch, 19; Eastern Towhee, 3; Savannah Sparrow, 4; Slate-colored Junco, 107; Am. Tree Sparrow, 27; Field Sparrow, 7; White-throated Sparrow, 59; Swamp Sparrow, 4; Song Sparrow, 78; Snow Bunting, 15. **Total,** 56 species; about 9256 individuals.—Roger Christiansen, Howard H. Cleaves, Lee A. Ellison, Fred Hopping, William H. Lea, Carlita Nesslinger, Charles Pearson, Casimir Redjives, Miriam Stryker, Mathilde P. Weingartner, James L. Whitehead, George Wilmot.

84. **Syracuse, N. Y.** (Onondaga Lake, Onondaga Park, Oakwood Cemetery, Rams Gulch, Clark Reservation, Green Lakes State Park, Cicero Swamp; lakes 20%, deciduous woods 30%, coniferous woods 10%, brushy and open fields 35%, suburbs 5%).—Dec. 23; 8 a.m. to 5 p.m. Clear; temp. 20° to 30°; no wind; 10-in. crusty snow; deep lakes open. Four observers in 2 parties. Total party-hours, 12 (11 on foot, 1 by car); total party-miles, 40 (12 on foot, 28 by car). Horned Grebe, 1; Black Duck, 43; Am. Merganser, 3; Red-tailed Hawk, 1; Sparrow Hawk, 1; Ruffed Grouse, 2; Ring-necked Pheasant, 10; Herring Gull, 500; Ring-billed Gull, 20; Screech Owl, 1 (calling at 3 p.m.); Horned Owl, 2 (at nest); Yellow-shafted Flicker, 1; Pileated Woodpecker, 2; Hairy Woodpecker, 6; Downy Woodpecker, 13; Blue Jay, 6; Am. Crow, 15; Black-capped Chickadee, 25; White-breasted Nuthatch, 9; Brown Creeper, 2; Golden-crowned Kinglet, 5; Common Starling, 45; House Sparrow, 28; Am. Tree Sparrow, 9; Song Sparrow, 2. **Total,** 25 species; 752 individuals. (Seen in area during period: Great Blue Heron, 1; Mallard, 5; Goshawk, 1; Barn Owl, 1; Horned Lark, 5; Mock-

ingbird, 1; Am. Robin, 1; Snow Bunting. Seen Jan. 1: Canvas-back, 6; Cooper's Hawk, 3; Marsh Hawk, 2; Killdeer, 1; Mourning Dove, 2; Brown-capped Chickadee, 3; Cardinal, 3; Evening Grosbeak, 1; Am. Goldfinch, 9; Slate-colored Junco, 18; Swamp Sparrow, 10.)—Michael Flynn, Fritz Scheider, Tom Smith, Walter Spofford (compiler, Onondaga Audubon Society).

**85. Troy, N. Y.** (same area as in 1950; urban and suburban 20%, open farmland 30%, brushland 10%, light deciduous woods 15%, mixed deciduous and evergreen woods 10%, cattail marshes 15%).—Dec. 22; 9 a.m. to 4 p.m.; temp. 25° to 32°; wind W, 0-10 m.p.h.; 4-in. old crusted snow but much land bare; reservoir frozen, streams open. Two observers in 1 party. Total party-hours, 7 (4 on foot, 3 by car); total party-miles, 59 (8 on foot, 51 by car). Mallard, 120; Black Duck, 1080; Am. Goldeneye, 27; Hooded Merganser, 1; Am. Merganser, 42; Cooper's Hawk, 1; Bald Eagle, 1; Sparrow Hawk, 2; Ruffed Grouse, 3; Ring-necked Pheasant, 6; Herring Gull, 29; Ring-billed Gull, 4; Pileated Woodpecker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 3; Blue Jay, 7; Am. Crow, 53; Black-capped Chickadee, 133; Red-breasted Nuthatch, 8; Golden-crowned Kinglet, 1; Common Starling, 190; House Sparrow, 80; Pine Grosbeak, 9; Slate-colored Junco, 20; Am. Tree Sparrow, 7. **Total,** 25 species; 1829 individuals. —Guy Bartlett, Leon A. Wiard (Schenectady Bird Club, Inc.).

**86. Watertown, N. Y.** (same as last 2 years).—Dec. 29; 8 a.m. to 4:15 p.m. Cloudy; temp. 28° to 32°; wind SE, 25 decreasing to 10 m.p.h.; 19-in. old snow drifted. Thirty-six observers in 21 parties. Total party-hours, 37 (29 on foot, 8 by car); total party-miles, 61 (24 on foot, 37 by car). Am. Merganser, 1; Marsh (?) Hawk, 1; Sparrow Hawk, 2; Ruffed Grouse, 1; Ring-necked Pheasant, 24; Great Black-backed Gull, 8; Herring Gull, 880 (est.); Horned (?) Owl, 1; Pileated Woodpecker, 1; Hairy Woodpecker, 4; Downy Woodpecker, 17; Blue Jay, 23; Am. Crow, 7; Black-capped Chickadee, 44; White-breasted Nuthatch, 2; Red-breasted Nuthatch, 2; Am. Robin, 4; Common Starling, 1312 (1000 est.); House Sparrow, 614; Evening Grosbeak, 9; Purple Finch, 18; Pine Grosbeak, 5; Am. Tree Sparrow, 6; Snow Bunting, 35. **Total,** 24 species; about 3021 individuals.—John L. Bedford, John Belknap, Joseph Blake, Jr., Joseph Blake 3d, Mr. and Mrs. Frank A. Clinch (compiler), James A. Common, Lunette Fitsimmons, Eb and Lucille Grant, Mrs. Roy Hayes, Robert Hayes, Nancy Henderson, William Larrabee, Mr. and Mrs. Howard Mann, Mrs. George Merriman, Mr. and Mrs. Robert Nelson, Thomas Pratt, Erma Schell, Arthur Salisbury, Arthur, Jr., and Daniel Salisbury, Sutherland Simpson, Mr. and Mrs. Austin Stevens, Mrs. John Stone, Mr. and Mrs. Richard Taylor, Mrs. Howard Vrooman, Mrs. Fred Warn, Mrs. Lorenzo Wait, Arthur Walrath, Donald Whitlock (North Country Bird Club).

**87. Watkins Glen, N. Y.** (2-mile radius from 9th St.).—Dec. 29; 8 a.m. to 4 p.m. Cloudy; temp. 30° to 45°; wind N, 10 m.p.h.; ground covered with snow, main roads clear. Eight observers in 8 parties. Total party-hours, 19 (7 on foot, rest at feeding stations); total party-miles, 12 (on foot). Horned Grebe, 2; Black Duck, 6; Ring-necked Pheasant, 4; Herring Gull, 250; Hairy Woodpecker, 2; Downy Woodpecker, 12; Blue Jay, 14; Am. Crow, 3; Black-capped Chickadee, 46; White-breasted Nuthatch, 7; Common Starling, 54; House Sparrow, 200; Red-winged Blackbird, 3; Purple Grackle (Bronzed), 4; Brown-headed Cowbird, 1; Cardinal, 17; Evening Grosbeak, 20; Slate-colored Junco, 11; Am. Tree Sparrow, 24; Song Sparrow, 3. **Total,** 20 species; 683 individuals. (Seen at feeding stations in Montour Falls, Dec. 31 and every day since: 1 Red-bellied Woodpecker.)—Frank Basset, Mrs. Leonta Beardsley, Marie Darling, Louise Helfer, Louise Hope, Anna Robinson, Nancy White, Madge Woodward (Watkins —Montour Bird Club).

**88. Barnegat, N. J.** (same area as in 1946 and in previous counts).—Dec. 29; 5 a.m. to 5 p.m. Cloudy; temp. 32° to 44°; wind SW, 15 m.p.h.; bay open and ponds frozen; ground bare. Twenty observers in 4 parties. Total party-hours, 38 (25 on foot, 13 by car); total party-miles, 198 (42 on foot, 156 by car). **Common Loon,** 62; Red-throated Loon, 38; Horned Grebe, 84; Pied-billed Grebe, 3; **European Cormorant,** 1 (L.L.W.); Double-crested Cormorant, 33; Great Blue Heron, 19; Black-crowned Night Heron, 17; **Am. Bittern,** 4; Canada Goose, 4; Brant, 8000 (est.); Mallard, 2; Black Duck, 575; Am. Widgeon, 6; Canvas-back, 1; Greater Scaup, 1013; Am. Goldeneye, 391; Buffle-head, 83; Old-squaw, 207; **King Eider,** 1 (L.L.W., E.L.C.); White-winged Scoter, 79; Surf Scoter, 31; Am. Scoter, 12; Hooded Merganser, 5; Am. Merganser, 3; Red-breasted Merganser, 202; Turkey Vulture, 12; Sharp-shinned Hawk, 1; Red-shouldered Hawk, 1; Rough-legged Hawk, 5; Bald Eagle, 2; Marsh Hawk, 12; Peregrine Falcon, 2; Sparrow Hawk, 9; Clapper Rail, 2; **Virginia Rail,** 1; Am. Coot, 1 (fresh remains); Ringed Plover, 5; Killdeer, 1; Black-bellied Plover, 9; Ruddy Turnstone, 2; Wilson's Snipe, 1; Greater Yellow-legs, 1; **Purple Sandpiper,** 44; Red-backed Sandpiper, 1426; Sanderling, 290; Great Black-backed Gull, 95; Herring Gull, 2598; Ring-billed Gull, 78; Bonaparte's Gull, 51; Razor-billed Auk, 1; Dovekie, 1; Mourning Dove, 62; Horned Owl, 4; Barred Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 16; Hairy Woodpecker, 5; Downy Woodpecker, 7; **Eastern Phoebe,** 1 (R.S.T.); Horned Lark, 159; Blue Jay, 15; Am. Crow, 67; Fish Crow, 1; Black-capped Chickadee, 8; Carolina Chickadee, 73; Tufted Titmouse, 26; White-breasted Nuthatch, 4; **Red-breasted Nuthatch,** 9; Brown Creeper, 2; Winter Wren, 1; Carolina Wren, 7; Short-billed Marsh Wren, 2; Catbird, 9; Am. Robin, 205; Hermit Thrush, 10; Eastern Bluebird, 5; Golden-crowned Kinglet, 26; Water Pipit, 12; Gray Shrike, 1; Common Starling, 757; Myrtle Warbler, 858; **Palm Warbler,** 3; House Sparrow, 153; Eastern Meadow-

lark, 92; Red-winged Blackbird, 52; Brown-headed Cowbird, 4; Cardinal, 33; Pine Siskin, 1; Am. Goldfinch, 433; Ipswich Sparrow, 6; **Savannah Sparrow,** 52; Sharp-tailed Sparrow, 2; Seaside Sparrow, 2; Slate-colored Junco, 33; Am. Tree Sparrow, 185; Field Sparrow, 3; White-throated Sparrow, 68; Fox Sparrow, 2; Swamp Sparrow, 11; Song Sparrow, 106; Lapland Longspur, 3; Snow Bunting, 50. **Total,** 103 species; 19,175 individuals.—E. L. Chalif, J. Crowell, E. Gould, T. R. Hake, C. A. Hetzel, J. W. Holmes, S. V. Hopkins, B. Hull, J. Jehl, D. Kunkle, A. Mettey, A. T. Newberry, N. Niosi, W. Osborn, H. T. Ross, R. S. Thorsell (compiler), L. L. Walsh, F. Weinfeldt, J. B. Wolf, F. P. Wolfarth.

**89. Boonton, N. J.** (an area not exceeding a 15-mile diameter with Troy Hills the center).—Dec. 23; 5 a.m. to 5 p.m. Partly cloudy; temp. 20° to 37°; wind SW, 17 m.p.h.; reservoir open, ground with trace of old snow. Twenty-seven observers in 7 parties. Total party-hours, 77 (47 on foot, 23 by car, 7 by boat); total party-miles, 180 (60 on foot, 115 by car, 5 by boat). Pied-billed Grebe, 7; Mute Swan, 25; Mallard, 60; Black Duck, 283; Gadwall, 1; Am. Widgeon, 51; Pintail, 17; Wood Duck, 1; Redhead, 8; Ring-necked Duck, 8; Canvas-back, 1; Greater Scaup, 15; Am. Golden-eye, 15; Buffle-head, 10; Ruddy Duck, 60; Hooded Merganser, 1; Am. Merganser, 107; Sharp-shinned Hawk, 5; Red-tailed Hawk, 12; Red-shouldered Hawk, 8; **Broad-winged Hawk,** 1 (small size, buteo proportions, imm. bird, definitely not Red-shouldered or Red-tail; observed from 35 ft. in good light; very sluggish; suspected of being sick—A.P., J.L.E., C.L., F.F.); Rough-legged Hawk, 2; Bald Eagle, 1; **Marsh Hawk,** 15; Sparrow Hawk, 9; Ruffed Grouse, 2; Ring-necked Pheasant, 4; Am. Coot, 130; Wilson's Snipe, 1; Herring Gull, 155; Ring-billed Gull, 1; Mourning Dove, 15; **Screech Owl,** 11; Horned Owl, 3; Barred Owl, 1; Long-eared Owl, 3; Belted Kingfisher, 3; **Yellow-shafted Flicker,** 35; Pileated Woodpecker, 2; Hairy Woodpecker, 28; Downy Woodpecker, 112; **Eastern Phoebe,** 1 (T.B., R.M.); Horned Lark, 56; Blue Jay, 457; Am. Crow, 6000 (est. in roost); Fish Crow, 1; Black-capped Chickadee, 408; Tufted Titmouse, 59; White-breasted Nuthatch, 148; **Red-breasted Nuthatch,** 7; Brown Creeper, 29; Winter Wren, 1; Carolina Wren, 1; Catbird, 2; Am. Robin, 7; Eastern Bluebird, 32; Golden-crowned Kinglet, 19; Cedar Waxwing, 8; Gray Shrike, 1; Common Starling, 3483 (part est.); House Sparrow, 407; Eastern Meadowlark, 9; Red-winged Blackbird, 108; Rusty Blackbird, 107; Purple Grackle, 1; **Cardinal,** 50; Evening Grosbeak, 1; Purple Finch, 4; Am. Goldfinch, 163; **Eastern Towhee,** 9; Savannah Sparrow, 1; Slate-colored Junco, 234; Am. Tree Sparrow, 602; Field Sparrow, 6; White-throated Sparrow, 183; Fox Sparrow, 1; Swamp Sparrow, 30; Song Sparrow, 169; Snow Bunting, 6. **Total,** 79 species; 14,040 individuals.—W. and D. Ball (feeding station), J. Bennett, C. D. Brown, T. Butler, J. L. Edwards, A. E. Eynon, F. DeHart, F. Frazier, E. Gould, C. Hetzel, R. Hooke, S. Hopkins, J. Jehl, Jr., J. Jubon, D. Kunkle, C. Lincoln, J. Mann, R. Murray, A. T. Newberry, N. Niosi, A. Peterson, R. S. Sargent, R. S. Thorsell, H. M. Van Deusen, W. Westcott, F. P. Wolfarth (compiler).

**90. Bridgeton, N. J.** (7½-mile radius centering at Cedarville and including Sea Breeze and Fortescue on Delaware Bay, headquarters Bridgeton; all observations in Cumberland County; town suburbs 1%, mixed woodland 10%, salt marsh 30%, plowed land 40%, fresh water ponds and streams 15%, salt water 4%).—Dec. 26; 7 a.m. to 5 p.m. Partly cloudy; temp. 32° to 43°; wind NW, 15-20 m.p.h.; no frozen ground, some ice on ponds. Three observers in 1 party. Total party-hours, 30 (5 on foot, 25 by car); total party-miles, 140 (15 on foot, 125 by car). Pied-billed Grebe, 2; Great Blue Heron, 10; Snow Goose, 150; Mallard, 154; Black Duck, 313; Am. Scoter, 26; Am. Merganser, 15; Turkey Vulture, 84; Cooper's Hawk, 1; Bald Eagle, 1; Marsh Hawk, 10; Osprey, 1; Sparrow Hawk, 3; Bob-white, 10; Wilson's Snipe, 2; Great Black-backed Gull, 9; Herring Gull, 35; Ring-billed Gull, 4; Bonaparte's Gull, 2; Mourning Dove, 90; Belted Kingfisher, 2; Yellow-shafted Flicker, 3; Red-bellied Woodpecker, 1; Hairy Woodpecker, 3; Downy Woodpecker, 3; Blue Jay, 106; Am. Crow, 1004; Carolina Chickadee, 20; Tufted Titmouse, 11; White-breasted Nuthatch, 4; Red-breasted Nuthatch, 5; Brown Creeper, 5; Carolina Wren, 1; Am. Robin, 14; Hermit Thrush, 1; Eastern Bluebird, 2; Golden-crowned Kinglet, 13; Common Starling, 1289; Myrtle Warbler, 1; Palm Warbler, 1; House Sparrow, 50; Eastern Meadowlark, 49; Red-winged Blackbird, 25; Rusty Blackbird, 27; Purple Grackle, 3; Brown-headed Cowbird, 71; Cardinal, 19; Am. Goldfinch, 35; Eastern Towhee, 5; Slate-colored Junco, 53; Field Sparrow, 22; White-throated Sparrow, 99; Song Sparrow, 12. **Total,** 53 species; about 3881 individuals. (Seen in area Dec. 31: Evening Grosbeak, 47+; Ring-necked Duck, 1.) —Bennett K. Matlack (compiler), Charles E. Ford, J. Stanley Quickmire, Jr.

**91. Cape May, N. J.** (same as 1927 and succeeding years).—Dec. 30; 6 a.m. to 5:30 p.m. Overcast, with rain in p.m.; temp. 44° to 52°; wind SW-SE, 1-7 m.p.h. Fifty-seven observers in 10 parties. Total party-hours, 115 (80 on foot, 35 by car); total party-miles, 725 (200 on foot, 525 by car). Common Loon, 23; Red-throated Loon, 40; Red-necked Grebe, 1; Horned Grebe, 122; Pied-billed Grebe, 21; Gannet, 5; Double-crested Cormorant, 2; Great Blue Heron, 50; Am. Egret, 3; Snowy Egret, 2; Little Blue Heron, 15; Black-crowned Night Heron, 82; Am. Bittern, 5; Canada Goose, 61; Brant, 6000 (est.); Greater Snow Goose, 88; Mallard, 26; Black Duck, 1047; Am. Widgeon, 15; Pintail, 1; Redhead, 2; Canvas-back, 100; Greater Scaup, 111; Lesser Scaup, 2; Am. Golden-eye, 81; Buffle-head, 92; Old-squaw, 269; Common Eider, 1; White-winged Scoter, 728; Surf Scoter, 4000 (est.); Am. Scoter, 182; Ruddy Duck, 51; Hooded Merganser, 5; Am. Merganser, 4; Red-breasted Merganser, 140; Turkey Vulture, 113; Sharp-shinned Hawk, 8; Cooper's Hawk, 7; Red-tailed Hawk, 15; Red-shouldered Hawk, 6; Rough-

legged Hawk, 2; Bald Eagle, 7; Marsh Hawk, 32; Pigeon Hawk, 2; Sparrow Hawk, 27; Bob-white, 9; Ring-necked Pheasant, 1; Clapper Rail, 33; Virginia Rail, 1; Killdeer, 47; Ringed Plover, 1; Black-bellied Plover, 80; Am. Woodcock, 2; Wilson's Snipe, 5; Greater Yellow-legs, 126; Purple Sandpiper, 29; Red-backed Sandpiper, 4000 (est.); Semipalmated Sandpiper, 2; Western Sandpiper, 24; Sanderling, 216; Glaucous Gull, 1; Great Black-backed Gull, 96; Herring Gull, 2500 (est.); Ring-billed Gull, 485; Bonaparte's Gull, 94; Mourning Dove, 142; Horned Owl, 5; Belted Kingfisher, 12; Yellow-shafted Flicker, 51; Hairy Woodpecker, 10; Downy Woodpecker, 35; Eastern Phoebe, 1; Horned Lark, 54; Tree Swallow, 5; Blue Jay, 112; Am. Crow, 1215; Fish Crow, 35; Carolina Chickadee, 87; Tufted Titmouse, 79; White-breasted Nuthatch, 9; Red-breasted Nuthatch, 17; Brown Creeper, 10; Winter Wren, 6; Carolina Wren, 87; Long-billed Marsh Wren, 8; Short-billed Marsh Wren, 8; Mockingbird, 6; Catbird, 18; Brown Thrasher, 6; Am. Robin, 989; Hermit Thrush, 7; Eastern Bluebird, 99; Golden-crowned Kinglet, 8; Ruby-crowned Kinglet, 1; Water Pipit, 20; Loggerhead Shrike, 1; Common Starling, 5000 (est.); Myrtle Warbler, 4000 (est.); Palm Warbler, 17; Common Yellowthroat, 1; House Sparrow, 1023; Eastern Meadowlark, 569; Red-winged Blackbird, 1411; Rusty Blackbird, 12; Purple Grackle, 12; Brown-headed Cowbird, 1544; Cardinal, 149; Purple Finch, 20; Pine Siskin, 24; Am. Goldfinch, 415; Eastern Towhee, 305; Ipswich Sparrow, 8; Savannah Sparrow, 99; Sharp-tailed Sparrow, 33; Seaside Sparrow, 7; Vesper Sparrow, 3; Slate-colored Junco, 207; Am. Tree Sparrow, 42; Field Sparrow, 157; White-throated Sparrow, 893; Fox Sparrow, 5; Swamp Sparrow, 18; Song Sparrow, 303. **Total,** 123 species; about 40,768 individuals.—E. Archer, J. Arnett, D. Batezel, T. Beyers, E. Choate, D. Coman (compiler), W. Corson, D. Cutler, R. Darby, R. Darlington, S. Finkel, C. Ford, H. Guthrie, R. Haines, J. Jacobs, W. Jay, O. Joyce, A. Linton, P. Livingstone, E. Manners, E. Marshall, E. Marshall, Jr., P. Marvin, P. Marvin, Jr., M. McCutcheon, J. McIlvain, F. McLaughlin, W. McMurtrie, W. Middleton, R. Miller, J. Moore, J. Moore, Jr., R. Pierce, J. Potter, J. Quickmire, Jr., C. Reagan, E. Reiman, G. Reynard, R. Reynard, W. Reynolds, B. Revelle, M. Robinson, J. Rockelman, R. Sehl, W. S. Sheldon, E. Smalzreid, C. Stasz, F. Stokes, Jr., P. Street, F. Ulmer, E. Ward, F. West, C. Wonderly, C. Worster, W. Wright, W. Wright III, M. Yaroshefski (Delaware Valley Ornithological Club).

**92. Elizabeth, N. J.** (Newark Bay across Newark meadows and North Elizabeth to Kean's Woods; bay front 25%, salt meadows 10%, brackish meadows 20%, scrubby fields 5%, garbage dumps 5%, suburbs 15%, deciduous woods 20%).—Dec. 28; 7 a.m. to 5 p.m. Fair, then cloudy; temp. 24° to 32°; wind W shifting to E, 0-12 m.p.h. Two observers together. Total party-hours, 10 (on foot); total party-miles, 10 (on foot). Great Blue Heron, 1; Mallard, 9; Black Duck, 190; Pintail, 1; Canvas-back, 42; Greater Scaup, 150; Lesser Scaup, 6; Am. Golden-eye, 43; Ruddy Duck, 2; Am. Merganser, 7; Red-breasted Merganser, 12; Red-tailed Hawk, 3; Marsh Hawk, 2; Sparrow Hawk, 2; Ring-necked Pheasant, 9; Herring Gull, 450; Ring-billed Gull, 18; Screech Owl, 1; Short-eared Owl, 4; Yellow-shafted Flicker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 8; Horned Lark, 13; Blue Jay, 12; Am. Crow, 7; Black-capped Chickadee, 20; Tufted Titmouse, 3; White-breasted Nuthatch, 2; Common Starling, 70; House Sparrow, 12; Red-winged Blackbird, 1; Cardinal, 3; Am. Goldfinch, 2; Slate-colored Junco, 6; Am. Tree Sparrow, 35; Field Sparrow, 2; White-throated Sparrow, 14; Song Sparrow, 11. **Total,** 38 species; 1175 individuals.—John Crowell (compiler), Jack Wolf.

**93. Great Swamp—Watchung Ridges, N. J.** (7½-mile radius from New Providence; dry deciduous woods 50%, fields 25%, wet deciduous woods 10%, suburban areas 10%, evergreen woods 5%).—Dec. 22; 7 a.m. to 4 p.m. Sunny; temp. 20° to 25°; wind NW, 20 m.p.h.; ground bare, ponds mostly frozen. Fourteen observers in 7 parties, also day-long observations by 40 members of the Summit and Chatham Nature Clubs. Total party-hours, 33 (21 on foot, 12 in car); total party-miles, 123 (29 on foot, 94 by car). Mallard, 12; Black Duck, 51; Pintail, 18; Wood Duck, 1; Am. Merganser, 38; Sharp-shinned Hawk, 1; Cooper's Hawk, 5; Red-tailed Hawk, 9; Red-shouldered Hawk, 1; Marsh Hawk, 2; Sparrow Hawk, 5; Ring-necked Pheasant, 2; Virginia Rail, 1; Herring Gull, 211; Mourning Dove, 22; Long-eared Owl, 1; Saw-whet Owl, 1 (G.M.); Belted Kingfisher, 4; Yellow-shafted Flicker, 11; Pileated Woodpecker, 1; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 38; Downy Woodpecker, 149; Blue Jay, 341; Am. Crow, 206; Black-capped Chickadee, 446; Tufted Titmouse, 144; White-breasted Nuthatch, 188; Red-breasted Nuthatch, 25; Brown Creeper, 18; Catbird, 1; Am. Robin, 10; Eastern Bluebird, 38; Golden-crowned Kinglet, 9; Ruby-crowned Kinglet, 1; Common Starling, 1926; Myrtle Warbler, 81; House Sparrow, 921; Eastern Meadowlark, 4; Red-winged Blackbird, 4; Purple Grackle, 20; Brown-headed Cowbird, 10; Cardinal, 90; Evening Grosbeak, 8; Purple Finch, 54; Am. Goldfinch, 16; Eastern Towhee, 20; Slate-colored Junco, 567; Am. Tree Sparrow, 176; Field Sparrow, 16; White-throated Sparrow, 414; Fox Sparrow, 6; Swamp Sparrow, 21; Song Sparrow, 97; Snow Bunting, 3. **Total,** 55 species; 6466 individuals.—Edward Chalif, Millie Schaughency, Grace Hand, Jim Hand, Carol Davis, Betty and Marshall Harrington, Una Miller (helped last year, too), Gertrude Whitlock, Charles Hoiles, Jeannette Middlebrook, Gus Mager, Charles Weisel, Larry Boyle.

**94. Hackensack, N. J.** (same as last year except northern boundary moved south from East Ridgewood Ave. to Midland Ave.; woodland 30%, residential 25%, swamp 18%, open fields 17%, brushy fields 4%, river front 3%, garbage dump 3%).—Dec. 30; 7 a.m. to 4 p.m. Foggy and rain; temp. 36° to 45°; wind SE, 2-4 m.p.h.; ground bare, little frost, all water open. Fifty-eight observers in 20 parties. Total party-hours, 103¼ (101 on foot, 2¼ by

car); total party-miles, 211 (103 on foot, 108 by car). Black-crowned Night Heron, 1; Mute Swan, 1; Mallard, 123; Black Duck, 161; Am. Widgeon, 2; Am. Golden-eye, 8; Am. Merganser, 45; Cooper's Hawk, 1; Red-tailed Hawk, 9; Red-shouldered Hawk, 2; Marsh Hawk, 1; Sparrow Hawk, 6; Ring-necked Pheasant, 1; Am. Coot, 1; Killdeer, 1; Wilson's Snipe, 1; Great Black-backed Gull, 10; Herring Gull, 517; Ring-billed Gull, 4; Mourning Dove, 2; Horned Owl, 1; Belted Kingfisher, 5; Yellow-shafted Flicker, 27; Hairy Woodpecker, 19; Downy Woodpecker, 56; Horned Lark, 26; Blue Jay, 314; Am. Crow, 56; Black-capped Chickadee, 331; Tufted Titmouse, 32; White-breasted Nuthatch, 59; Red-breasted Nuthatch, 4; Brown Creeper, 9; Am. Robin, 2; Eastern Bluebird, 1; Water Pipit, 2; Common Starling, 3357 (1700±200, 1657); Myrtle Warbler, 63; House Sparrow, 1382; Eastern Meadowlark, 1; Red-winged Blackbird, 16; Rusty Blackbird, 15; Purple Grackle, 1; Brown-headed Cowbird, 13; Cardinal, 14; Purple Finch, 4; Am. Goldfinch, 71; Eastern Towhee, 9; Savannah Sparrow, 2; Slate-colored Junco, 318; Am. Tree Sparrow, 513; Chipping Sparrow, 8; Field Sparrow, 51; White-throated Sparrow, 487; Fox Sparrow, 12; Swamp Sparrow, 20; Song Sparrow, 399. **Total,** 57 species; about 8597 individuals.—D. Allen, C. Anderson, A. Andora, H. T. Armitt, Mrs. H. T. Armitt (compiler), J. Baker, A. Bihun, Jr., J. Brewer, J. L. Brewer, C. W. Bush, J. Byrnes, H. Colhoun, D. Conway, J. Daly, Jr., C. Demarest, P. Domas, W. Downin, C. F. Elliott, R. Evans, H. Fisher, W. Gorman, Mrs. W. Gorman, P. H. Grosch, Mrs. P. H. Grosch, J. Hamilton, G. Hatch, L. Hatch, C. Hochkeppel, C. Jonah, S. Livingston, L. Malewit, J. Mann, S. Marshall, A. Millett, A. Nelson, C. H. Nichols, A. Pallas, D. Pallas, H. Pallas, H. Patten, W. Plaisted, N. Reimer, R. Robbins, D. Roser, F. Russel, S. Satterthwaite, F. R. Schetty, R. Schwartz, R. Schenck, W. Smith, Mrs. L. Spring, W. Sudol, Mrs. T. S. Tate, G. Tilbury, E. Vincent, Mrs. J. Weidig, E. Weisselberg, C. Wentworth, Sr. (Hackensack Audubon Society).

**95. Lakehurst, N. J.** (same area and percentages as last year).—Dec. 27; 6:45 a.m. to 5:45 p.m. Fair; temp. 15° to 30°; wind NW, 5-40 m.p.h.; some ponds frozen. Twelve observers in 4 parties. Total party-hours, 26 (5½ on foot, 20½ by car); total party-miles, 61 (6 on foot, 55 by car). Common Loon, 10; Red-throated Loon, 8; Horned Grebe, 20; Pied-billed Grebe, 1; Gannet, 4; Double-crested Cormorant, 1; Great Blue Heron, 2; Mute Swan, 2; Canada Goose, 432; Brant, 40; Mallard, 36; Black Duck, 395; Am. Widgeon, 115; Shoveller, 4; Ring-necked Duck, 1; Canvas-back, 1; Greater Scaup, 100; Lesser Scaup, 5; Am. Golden-eye, 50; Buffle-head, 14; Old-squaw, 15; White-winged Scoter, 4; Am. Scoter, 25; Ruddy Duck, 4; Am. Merganser, 6; Red-breasted Merganser, 12; **Turkey Vulture,** 282; Red-tailed Hawk, 1; Sparrow Hawk, 4; Bob-white, 1; Am. Coot, 40; Killdeer, 10; Sanderling, 7; **Iceland Gull,** 1; Great Black-backed Gull, 45; Herring Gull, 650 (est.); Ring-billed Gull, 12; Bonaparte's Gull, 1; **Razor-billed Auk,** 1; Mourning Dove, 1; Screech Owl, 2; Yellow-shafted Flicker, 1; Hairy Woodpecker, 1; Horned Lark, 12; Blue Jay, 16; Am. Crow, 20; Carolina Chickadee, 8; Tufted Titmouse, 3; White-breasted Nuthatch, 4; Red-breasted Nuthatch, 2; Brown Creeper, 1; Am. Robin, 8; Eastern Bluebird, 10; Golden-crowned Kinglet, 6; Ruby-crowned Kinglet, 1; Cedar Waxwing, 2; Common Starling, 75; Myrtle Warbler, 10; House Sparrow, 60; Eastern Meadowlark, 2; Red-winged Blackbird, 15; Brown-headed Cowbird, 10; Cardinal, 1; **Evening Grosbeak,** 23; Pine Siskin, 15; Am. Goldfinch, 8; Eastern Towhee, 1; Slate-colored Junco, 15; Am. Tree Sparrow, 40; Field Sparrow, 2; White-throated Sparrow, 10; Fox Sparrow, 1; Song Sparrow, 12. **Total,** 73 species; approx. 2760 individuals—Fritz Baumle, Eleanor Chapman, Jerry Day, David Fables (compiler), Richard Johnson, Isabell Meyer (Agassiz Club, Union Junior College), Helen Camp, John Crowell, Robert Conn, Donald Conklin, Bertram Murray, Donald Seip.

**96. Long Branch, N. J.** (Oceanport to Wreck Pond; farm land 10%, woods 25%, beachfront 20%, bushy fields 10%, marshes 5%, bays and ponds 30%). —Dec. 30; 5:30 a.m. to 5 p.m. Cloudy, rain in p.m.; temp. 44° to 50°; no wind; no snow, ponds open. Seventeen observers in 7 parties. Total party-hours, 58 (40 on foot, 18 by car); total party-miles, 337 (57 on foot, 280 by car). Common Loon, 11; Red-throated Loon, 20; Red-necked Grebe, 2; Horned Grebe, 162; Pied-billed Grebe, 10; Gannet, 2; Double-crested Cormorant, 36; Great Blue Heron, 15; Black-crowned Night Heron, 1; Mute Swan, 9; Canada Goose, 1; Mallard, 395; Black Duck, 1575; Gadwall, 8; Am. Widgeon, 1122; Pintail, 4; Green-winged Teal, 4; Wood Duck, 1 (G.D.S.); Redhead, 33; Ring-necked Duck, 26; Canvas-back, 175; Scaup (both sp. ident.), 8309 (8000 est., 309); Am. Golden-eye, 125; Buffle-head, 96; Old-squaw, 4; White-winged Scoter, 15; Surf Scoter, 1; Ruddy Duck, 104; Hooded Merganser, 9; Am. Merganser, 148; Red-breasted Merganser, 104; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 1; Marsh Hawk, 4; Sparrow Hawk, 12; Bob-white, 17; Ring-necked Pheasant, 8; Clapper Rail, 3; Am. Coot, 135; Killdeer, 21; Purple Sandpiper, 1; Great Black-backed Gull, 736; Herring Gull, 4248 (3500 est., 748); Ring-billed Gull, 82; Bonaparte's Gull, 97; Razor-billed Auk, 2 (1 dead, oiled); Dovekie, 3 (2 dead, oiled); Mourning Dove, 108; Screech Owl, 1; Horned Owl, 2; Barred Owl, 1; Belted Kingfisher, 4; Yellow-shafted Flicker, 17; Hairy Woodpecker, 3; Downy Woodpecker, 37; Horned Lark, 74; Blue Jay, 94; Am. Crow, 287; Fish Crow, 5; Carolina Chickadee, 113; Tufted Titmouse, 31; White-breasted Nuthatch, 33; Red-breasted Nuthatch, 7; Brown Creeper, 4; Winter Wren, 5; Carolina Wren, 18; Long-billed Marsh Wren, 2; Catbird, 2; Am. Robin, 86; Hermit Thrush, 2; Eastern Bluebird, 21; Golden-crowned Kinglet, 2; Cedar Waxwing, 79; Common Starling, 1810 (1200 est., 610); Myrtle Warbler, 317; Palm Warbler, 1 (G.M.S.); Common Yellow-throat, 1 (I.H.B.); House Sparrow, 215; Eastern Meadowlark, 62; Red-winged Blackbird, 10; Rusty

Blackbird, 1; Cardinal, 58; Evening Grosbeak, 10; Purple Finch, 3; Pine Siskin, 20; Am. Goldfinch, 153; Eastern Towhee, 1; Savannah Sparrow, 1; Seaside Sparrow, 1; Slate-colored Junco, 152; Am. Tree Sparrow, 226; Field Sparrow, 27; White-throated Sparrow, 137; Fox Sparrow, 1; Swamp Sparrow, 13; Song Sparrow, 157; Snow Bunting, 1. **Total,** 99 species; about 22,316 individuals.—Jos. Bennett, I. H. Black, C. D. Brown, J. L. Edwards, A. E. Eynon, Arthur Gaines, C. A. Hetzel, Don Kunkle, N. Niosi, Wm. Sandford, R. M. Sargent, Gardner D. Stout, Prentice Stout, F. Weinfeldt, E. Wisner, V. Wisner, G. M. Seeley (compiler).

**97. Moorestown, Maple Shade, and Riverton, N. J.** (same area as in former years; farmland 38%, deciduous woods 20%, town suburbs 17%, riverfront 10%, wet brushy meadow 8%, evergreen woods 7%). —Dec. 22; 7 a.m. to 5 p.m. Clear; temp. 31° to 37°; wind W, 8-25 m.p.h.; ground bare; smaller ponds frozen. Forty-two observers in 24 parties. Total party-hours, 52½ (37 on foot, 4¾ by car, 10¾ at feeders); total party-miles, 130½ (47¾ on foot, 82¾ by car). Great Blue Heron, 1; Mallard, 10; Black Duck, 47; Pintail, 557; Am. Merganser, 27; Turkey Vulture, 8; Cooper's Hawk, 3; Red-tailed Hawk, 5; Red-shouldered Hawk, 1; Rough-legged Hawk, 1; Marsh Hawk, 7; Sparrow Hawk, 13; Ring-necked Pheasant, 6; Killdeer, 32; Herring Gull, 185; Ring-billed Gull, 2; Mourning Dove, 65; Barn Owl, 1; Screech Owl, 1; Belted Kingfisher, 4; Yellow-shafted Flicker, 15; Hairy Woodpecker, 1; Downy Woodpecker, 30; Blue Jay, 55; Am. Crow, 982; Fish Crow, 15; Black-capped Chickadee, 3; Carolina Chickadee, 95; Tufted Titmouse, 39; White-breasted Nuthatch, 25; Red-breasted Nuthatch, 11; Brown Creeper, 7; Carolina Wren, 2; Mockingbird, 4; Catbird, 1; Am. Robin, 4; Hermit Thrush, 1; Eastern Bluebird, 10; Golden-crowned Kinglet, 26; Common Starling, 1169; Myrtle Warbler, 1; House Sparrow, 325; Eastern Meadowlark, 20; Red-winged Blackbird, 6; Rusty Blackbird, 1; Purple Grackle, 23; Cardinal, 56; Purple Finch, 3; Am. Goldfinch, 143; Slate-colored Junco, 114; Am. Tree Sparrow, 49; Chipping Sparrow, 1; Field Sparrow, 27; White-throated Sparrow, 194; Fox Sparrow, 3; Song Sparrow, 43: **Total,** 56 species; 4480 individuals. (Seen in area Dec. 27: Evening Grosbeak, 7.)—S. N. Aldridge, H. F. and Irene Anders, John Augustine, H. M. Baker, H. C. Collins, F. G. Conrow, Samuel and Clarissa Cooper, Charles Evans, Elizabeth Gillingham, B. S. Haines, R. L. Haines, Mabel Hollinshead, P. E. Howard, Jr., James Hull, Jr., M. A. and M. R. Linton, A. W. H. and E. R. Lippincott, D. W. Mathias, J. L. and H. L. Moore, Landis Moyer, D. M. Nelson, Richard Plasket, Virginia Read, C. L. Reagan, G. B. Reynard, David Rhoads, W. H. and Helen Roberts, A. M. Rogers, Joseph Rogers, Jr., Robert Rogers, Jr., J. H., Sylvia, Anne and Harold Taylor, Esther Wallace, Corinda Wallis, Robert Wilkins, Richard Wood.

**98. Morristown, N. J.** (7½-mile radius centered near Ironia, including Shongum Mt., Jockey Hollow Park, Lake Hopatcong, Black River Valley and Long Valley; open fields, plowed lands and roadsides 40%, swamps and bushy thickets 10%, lakes and ponds 10%, mixed woodlands 40%).—Dec. 22; 5 a.m. to 4 p.m. Clear; temp. 22° to 31°; wind NW, 6-25 m.p.h.; light crusty snow cover, all waters but Lake Hopatcong frozen. Twenty-two observers in 6 parties. Total party-hours, 43 (15 on foot, 28 by car); total party-miles, 288 (26 on foot, 262 by car). Mute Swan, 1; Black Duck, 32; Ring-necked Duck, 1; Canvas-back, 7; Am. Golden-eye, 36; White-winged Scoter, 1 (R.S.T.); Am. Merganser, 5; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 1; Red-shouldered Hawk, 7; Sparrow Hawk, 2; Ruffed Grouse, 2; Ring-necked Pheasant, 2; Herring Gull, 25; Mourning Dove, 44; Screech Owl, 3; Horned Owl, 2; Barred Owl, 2; Long-eared Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 1; Pileated Woodpecker, 1; Hairy Woodpecker, 16; Downy Woodpecker, 29; Horned Lark, 104; Blue Jay, 57; Am. Crow, 624; Black-capped Chickadee, 110; Tufted Titmouse, 23; White-breasted Nuthatch, 23; Red-breasted Nuthatch, 1; Brown Creeper, 4; Winter Wren, 1; Am. Robin, 9; Hermit Thrush, 1; Eastern Bluebird, 6; Golden-crowned Kinglet, 9; Cedar Waxwing, 10; Common Starling, 799; House Sparrow, 301; Brown-headed Cowbird, 40; Cardinal, 28; Evening Grosbeak, 4; Purple Finch, 27; Pine Grosbeak, 11; Am. Goldfinch, 36; Slate-colored Junco, 137; Am. Tree Sparrow, 106; White-throated Sparrow, 39; Fox Sparrow, 1; Song Sparrow, 5. **Total,** 52 species; 2741 individuals.—Mrs. O. C. Billings, Bill Billings, Annie E. Cowen, Mr. and Mrs. R. H. Cubberley, Mr. and Mrs. Verl J. Hawks, Benedict J. Kane, Mrs. Robert LaRue, Mr. and Mrs. H. T. Maxwell, Mr. and Mrs. John T. Neal, Jr., Jean Slocum, Mr. and Mrs. Donald Smith, Edith L. Smith, Grace Stone, R. S. Thorsell, Mrs. A. M. Warmington, Mrs. Elsa Weig, Lois Wenman (Morris Nature Club).

**99. Mount Holly, N. J.** (7½-mile radius including Lumberton, Medford, Vincentown, Pemberton, Burlington, Centerton, 3 miles along the Delaware River, 15 miles along the Rancocas Creek; 50% creek area, 20% open farmland, 20% pine groves, 10% wooded area).—Dec. 29; 6:30 a.m. to 5 p.m. Clear; temp. 32° to 45°; wind NW, 10 m.p.h.; river and creek open, ponds frozen. Seven observers in 3 parties. Total party-hours, 47 (7 on foot, 40 by car); total party-miles, 82 (12 on foot, 70 by car). Common Loon, 2; Great Blue Heron, 4; Mallard, 4; Black Duck, 500 (est.); Pintail, 500 (est.); Am. Golden-eye, 1; Am. Merganser, 100; Turkey Vulture, 40; Red-tailed Hawk, 4; Red-shouldered Hawk, 2; Marsh Hawk, 1; Sparrow Hawk, 4; Great Black-backed Gull, 1; Herring Gull, 52; Mourning Dove, 120; Barn Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 1; Hairy Woodpecker, 4; Downy Woodpecker, 10; Horned Lark, 75; Blue Jay, 5; Am. Crow, 1000 (est.); Fish Crow, 3; Black-capped Chickadee, 50; Tufted Titmouse, 12; White-breasted Nuthatch, 12; Red-breasted Nuthatch, 25; Brown Creeper, 6; Carolina Wren, 4; Eastern Bluebird, 8; Golden-crowned Kinglet, 30; Common Starling, 1000

(est.); Myrtle Warbler, 2; House Sparrow, 20; Eastern Meadowlark, 40; Red-winged Blackbird, 500 (est.); Purple Grackle, 8; Brown-headed Cowbird, 5; Cardinal, 10; Evening Grosbeak, 250 (est.); Purple Finch, 8; Pine Siskin, 50; Am. Goldfinch, 1; Slate-colored Junco, 48; Am. Tree Sparrow, 8; White-throated Sparrow, 35; Fox Sparrow, 4; Song Sparrow, 5. **Total,** 49 species; 4576 individuals.—Mr. and Mrs. Charles Applegate, May Middleton, Russell G. Armstrong, Frank Newman, J. Russell Sprow, Nelson D. W. Pumyea (compiler).

**100. North Bergen, N. J.** (same area as 1950 count).—Dec. 26; 7 a.m. to 4:45 p.m. Clear; temp. 30° to 34°; wind 8-10 m.p.h.; patches of snow; fresh water frozen. Two observers in 1-2 parties. Total party-hours, 16 (on foot); total party-miles, 15 (on foot). Black-crowned Night Heron, 1; Mallard, 17; Black Duck, 170; Greater Scaup, 12; Am. Merganser, 3; Sharp-shinned Hawk, 1; Red-tailed Hawk, 1; Marsh Hawk, 6; Sparrow Hawk, 2; Virginia Rail, 1; Florida Gallinule, 1 (N.R.B.) [full description furnished—Ed.]; Killdeer, 1; Great Black-backed Gull, 5; Herring Gull, 230; Ring-billed Gull, 3; Barn Owl, 1; Yellow-shafted Flicker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 3; Horned Lark, 6; Blue Jay, 14; Black-capped Chickadee, 27; White-breasted Nuthatch, 3; Long-billed Marsh Wren, 1; Golden-crowned Kinglet, 1; Water Pipit, 15; Common Starling, 720; Myrtle Warbler, 1; House Sparrow, 167; Red-winged Blackbird, 31; Brown-headed Cowbird, 2; Cardinal, 1; Am. Goldfinch, 5; Eastern Towhee, 1; Slate-colored Junco, 19; Am. Tree Sparrow, 242; Chipping Sparrow, 1 [no details—Ed.]; Field Sparrow, 17; White-throated Sparrow, 67; Fox Sparrow, 1; Swamp Sparrow, 25; Song Sparrow, 100. **Total,** 42 species; 1927 individuals.—Ned Richard Boyajian (compiler), Richard Henry Ryan.

**101. Northwestern Gloucester Co., N. J.** (7½-mile radius from intersection of Wolfret Station Rd. and N. J. Turnpike, approximately 1 mile south of Mickleton; town suburbs 5%, deciduous woods 15%, open farmland 50%, marshes 5%, creeks and creek valleys 15%, river 5%, mature river fills 5%, 1 feeding station).—Dec. 29; 7 a.m. to 4 p.m. Intermittent light sleet until 8:30 a.m.; partly cloudy thereafter; temp. 36° to 45°; wind variable SW to S, 5-15 m.p.h.; ponds largely frozen; running water open; ground bare. Ten observers in 4 parties. Total party-hours, 32 (20 on foot, 12 by car); total party-miles, 90 (20 on foot, 70 by car). Great Blue Heron, 4; Mallard, 10; Black Duck, 1677; Pintail, 2071; Green-winged Teal, 2; Ruddy Duck, 50; Am. Merganser, 14; Turkey Vulture, 42; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 16; Red-shouldered Hawk, 3; Bald Eagle, 3; Marsh Hawk, 2; Sparrow Hawk, 21; Bob-white, 4; Ring-necked Pheasant, 1; Great Black-backed Gull, 8; Herring Gull, 853; Ring-billed Gull, 227; Mourning Dove, 105; Barn Owl, 1; Belted Kingfisher, 3; Yellow-shafted Flicker, 5; Yellow-bellied Sapsucker, 1; Downy Woodpecker, 12; Horned Lark, 40; Blue Jay, 16; Am. Crow, 1190; Fish Crow, 26; Carolina Chickadee, 37; Tufted Titmouse, 22; White-breasted Nuthatch, 14; Red-breasted Nuthatch, 6; Brown Creeper, 2; Winter Wren, 2; Carolina Wren, 11; Mockingbird, 2; Catbird, 1; Am. Robin, 3; Eastern Bluebird, 3; Golden-crowned Kinglet, 6; Loggerhead Shrike, 1; Common Starling, 1810; Myrtle Warbler, 12; House Sparrow, 227; Eastern Meadowlark, 2; Brown-headed Cowbird, 1; Cardinal, 28; Evening Grosbeak, 1; Am. Goldfinch, 67; Eastern Towhee, 2; Slate-colored Junco, 251; Am. Tree Sparrow, 5; Field Sparrow, 48; White-throated Sparrow, 241; Swamp Sparrow, 2; Song Sparrow, 135. **Total,** 58 species; about 9351 individuals.—Thomas Byers, Robert Drew, J. George Hitchner, Philip Lawrence, Roger Lawrence, Wayne Johnson, Edward R. Manners, Mrs. W. R. Middleton, W. R. Middleton (compiler), Julian K. Potter (Gloucester County Nature Club).

**102. Princeton, N. J.** (within a 9¼-mile diameter centering on Graduate College; villages, estates, farms, lowland and upland deciduous woods, red cedar and pine groves, swamp, marsh, lake, ponds and streams).—Dec. 23; 7 a.m. to 6 p.m. Partly cloudy; temp. 28° to 38°; wind SW, light; ground mostly bare, lake and ponds mostly frozen, streams open. Fourteen observers in 7 parties and 1 at a food station. Total party-hours, 52½ (51½ on foot, 1 by car); total party-miles, 67½ (55½ on foot, 12 by car). Great Blue Heron, 2; Mute Swan, 2; Mallard, 162; Black Duck, 19; Pintail, 1; Am. Merganser, 3; Cooper's Hawk, 3; Red-tailed Hawk, 3; Red-shouldered Hawk, 5; **Broad-winged-Hawk,** 1 ad. (well seen and broad white band of adult tail noted—E.D.B., P.M.); Rough-legged Hawk, 1; Marsh Hawk, 2; Sparrow Hawk, 3; Bob-white, 3; Killdeer, 1; Herring Gull, 6; Mourning Dove, 66; Horned Owl, 1; Long-eared Owl, 1; Yellow-shafted Flicker, 24; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 7; Downy Woodpecker, 117; Horned Lark (most, at least, Northern), 189; Blue Jay, 98; Am. Crow, 210; Fish Crow, 1; Black-capped and Carolina Chickadees, 120; Tufted Titmouse, 105; White-breasted Nuthatch, 42; Red-breasted Nuthatch, 12; Brown Creeper, 22; Winter Wren, 5; Carolina Wren, 3; Am. Robin, flock of 20; Eastern Bluebird, 4; Golden-crowned Kinglet, 5; Ruby-crowned Kinglet, 1; Cedar Waxwing, 119; Common Starling, 1240; Myrtle Warbler, 146; House Sparrow, 940; Eastern Meadowlark, 20; Rusty Blackbird, 12; Purple Grackle, 10; Brown-headed Cowbird, 1; Cardinal, 34; Purple Finch, 20; Am. Goldfinch, 134; Eastern Towhee, 1; Vesper Sparrow, 1 (P.M.); Slate-colored Junco, 224; Am. Tree Sparrow, 163; Field Sparrow, 9; White-throated Sparrow, 166; Fox Sparrow, 1; Swamp Sparrow, 1; Song Sparrow, 90. **Total,** 59 species; about 4604 individuals. (In area Dec. 24: Screech Owl, 1; Dec. 30: Am. Widgeon, 8; Belted Kingfisher, 1.)—W. F. Alston, E. D. Bloor, Jr., R. D. H. Dingle, E. T. Goodridge, J. M. Kris, R. M. Laughlin, R. R. Law, F. W. Loetscher, Jr., J. K. Meritt, Peter Mott, C. H. Rogers (compiler), A. L. Shinn, R. L. Thomas, F. F. Wright, N. C. Wyckoff.

**103. Raritan Estuary, N. J.** (same area as in 1938 and subsequent years; old pasture 10%, decidu-

ous woodlands 15%, coniferous woodlands 5%, swampy woods 20%, fresh-water swamp 5%, brackish meadows 30%, town suburbs 15%).—Dec. 26; 6:15 a.m. to 5 p.m. Overcast (after sleet storm) at start, with fog on bay; clearing, unlimited visibility near finish; temp. 36° to 43° (noon) to 35°; wind E, 5-10 m.p.h. at start, changing to NW, 15-25 m.p.h.; ground soggy over old frost; ponds frozen, streams open. Eight observers in 4 parties. Total party-hours, 29 (21 on foot, 8 by car); total party-miles, 137 (23 on foot, 114 by car). Horned Grebe, 18; Pied-billed Grebe, 2; Great Blue Heron, 1; Canada Goose, 15; Brant, 57; Mallard (feral), 74; Black Duck, 263; Am. Widgeon, 1; Greater Scaup, 139; Am. Golden-eye, 87; Buffle-head, 23; Old-squaw, 216; Am. Scoter, 2; Ruddy Duck, 6; Am. Merganser, 20; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Rough-legged Hawk, 3; Marsh Hawk, 7; Sparrow Hawk, 5; Ring-necked Pheasant, 1; Virginia Rail, 1; Killdeer, 2; Great Black-backed Gull, 12; Herring Gull, 1680 (±100); Ring-billed Gull, 108; Bonaparte's Gull, 98; Mourning Dove, 2; Screech Owl, 1; Horned Owl, 1; Long-eared Owl, 2; Belted Kingfisher, 1; Yellow-shafted Flicker, 4; Hairy Woodpecker, 3; Downy Woodpecker, 14; Horned Lark (Northern) 6; **Tree Swallow** (at close range flying from upland to meadows, but not seen feeding), 3; Blue Jay, 93; Am. Crow, 209 in daytime, 2000 (±10%) in roost; Black-capped Chickadee, 36; Carolina Chickadee, 3; Tufted Titmouse, 8; White-breasted Nuthatch, 11; Red-breasted Nuthatch, 6; Brown Creeper, 1; Winter Wren, 1; Eastern Bluebird, 3; Golden-crowned Kinglet, 3; Ruby-crowned Kinglet, 2; Common Starling, 1630 (±100) in daytime, 50,000 (±20%) in roost; Myrtle Warbler, 101; **Pine Warbler** (closely studied at feeding station—J.T.S.H.), 1; House Sparrow, 354; Eastern Meadowlark, 1; Red-winged Blackbird, 37 in daytime, 40,000 (±20%) in roost; **Baltimore Oriole,** ♀ (at feeding station); Purple Grackle, 23 (Bronzed) in daytime, 30,000 (±20%) in roost; Brown-headed Cowbird, 183 in daytime, 25,000 (±20%) in roost; Cardinal, 16; Am. Goldfinch, 67; Savannah Sparrow, 11; Slate-colored Junco, 136; Am. Tree Sparrow, 145; Field Sparrow, 5; White-throated Sparrow, 64; Fox Sparrow, 1; Swamp Sparrow, 5; Song Sparrow, 41. **Total,** 68 species; about 150,997 individuals. (In area during count period: Japanese Nun (feral 2 years), 1; Eastern Towhee, 2.)—Clarence D. Brown, Gilbert Cant (compiler), John G. H. Cant, Kitty Chamberlain, David Fables, Charles Hetzel, John T. S. Hunn, Susan Norton-Taylor (Urner Ornithological Club).

**104. Ridgewood, N. J.** (same area as last year). —Dec. 22; 8 a.m. to 5 p.m. Clear; temp. 26° to 38°; wind brisk, 20 m.p.h.; ground mostly clear but with some snow and ice. Twenty-nine field observers in 14 parties. Total party-hours, 70 (56 on foot, 14 by car and at feeding stations); total party-miles, 120 (45 on foot, 75 by car). Canada Goose, 26; Mallard, 86; Black Duck, 184; scaup (sp.), 7; Am. Golden-eye, 5; Ruddy Duck, 14; Am. Merganser, 359; Sharp-shinned Hawk, 4; Cooper's Hawk, 4; Red-tailed Hawk, 2; Red-shouldered Hawk, 2; Rough-legged Hawk, 1; Bald Eagle, 1; Marsh Hawk, 4; Osprey, 1 (seen fishing on several dates from Thanksgiving on, including Dec. 21—Mrs. G.B.F.); Sparrow Hawk, 2; Ruffed Grouse, 8; Ring-necked Pheasant, 2; Great Black-backed Gull, 1; Herring Gull, 201; Mourning Dove, 47; Screech Owl, 1; Barred Owl, 3; Belted Kingfisher, 3; Yellow-shafted Flicker, 17; Pileated Woodpecker, 2; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 18; Downy Woodpecker, 79; Blue Jay, 227; Am. Crow, 166; Black-capped Chickadee, 305; Tufted Titmouse, 127; White-breasted Nuthatch, 115; Red-breasted Nuthatch, 17; Brown Creeper, 14; Winter Wren, 1; Carolina Wren, 1; Mockingbird, 1; Brown Thrasher, 1; Am. Robin, 5; Hermit Thrush, 4; Eastern Bluebird, 16; Golden-crowned Kinglet, 3; Ruby-crowned Kinglet, 3; Common Starling, 611; Myrtle Warbler, 125; House Sparrow, 627; Red-winged Blackbird, 3; Purple Grackle, 2; Brown-headed Cowbird, 1; Cardinal, 46; Evening Grosbeak, 24; Purple Finch, 177; Pine Grosbeak, 30; Am. Goldfinch, 66; Eastern Towhee, 9; Slate-colored Junco, 391; Am. Tree Sparrow, 149; Field Sparrow, 30; White-throated Sparrow, 303; Swamp Sparrow, 3; Song Sparrow, 64. **Total,** 63 species; 4753 individuals.—Mrs. I. J. Adams, Mrs. R. H. Baker, Robert Barth, Mrs. R. D. Coombs, Mrs. J. Y. Dater, Jr., Mrs. F. G. Dunham, Ann Dunham, Mr. and Mrs. Norman Emig, G. C. Engel, Mrs. G. B. Fetter, Mrs. L. Fusser, Mr. and Mrs. R. H. Gaede, Mrs. Chas. Kientzler, Arthur Linz, Steve Marshall, Christa Mayr, Ernst Mayr, Mrs. H. G. McEntee, Mrs. F. J. McKenna, Roger Metzger, C. K. Nichols, Mr. and Mrs. A. E. Runk, Mr. and Mrs. J. Van Saun, Don Wiesner, Chauncy Wood (names of feeding station observers not given unless they also worked in the field).

**105. Allentown, Pa.** (Lake Muhlenberg, Trexler Memorial Park, Lehigh Parkway, 8 miles west to Trexlertown and vicinity; swampland 60%, pine grove 20%, small ponds 5%, open farmland 5%, deciduous woodlot 10%).—Dec. 29; 8 a.m. to 4 p.m. Overcast; temp. 26° to 35°; no wind; average of 6 in. of crusted snow. Fourteen observers in 2 parties. Total party-hours, 8½ (8 on foot, ½ by car); total party-miles, 56 (22 on foot, 34 by car). Mallard, 147; Black Duck, 32; Am. Widgeon, 40; Wood Duck, 1; Canvas-back, 1; Am. Golden-eye, 1; Cooper's Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 4; Ring-necked Pheasant, 48; Mourning Dove, 20; Screech Owl, 2; Long-eared Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 1; Downy Woodpecker, 8; Blue Jay, 11; Am. Crow, 72; Black-capped Chickadee, 17; Tufted Titmouse, 3; White-breasted Nuthatch, 6; Brown Creeper, 1; Winter Wren, 1; Catbird, 1 [no details—Ed.]; Common Starling, 310; House Sparrow, 83; Eastern Meadowlark, 6; Cardinal, 25; Am. Goldfinch, 4; Eastern Towhee, 1; Slate-colored Junco, 56; Am. Tree Sparrow, 91; White-throated Sparrow, 26; Song Sparrow, 24. **Total,** 34 species; 1047 individuals.—Janet A. Brandes, Mrs. L. B. Burkhart, John Dreisbach, Ruth Farr, Perry F. Kendig, A. R. Mercer, Clinton F. A. Miller, Carl E. Montgomery (compiler), Ann G.

Pettock, Ken Ralston, Miriam R. Schantz, John E. Trainer, Marilyn A. Weidner, Herman A. Weil.

**106. Carlisle, Pa.** (7½-mile radius centering on a point 6½ miles southwest of Carlisle Square and on Pa. Route 174, and including Yellow Breeches and Conodoguinet Creeks, Big Spring, Mt. Holly Springs and Pine Grove Furnace; open farmland 40%, mixed woodland 25%, creeks and ponds 15%, town suburbs 10%, deciduous farm woodlots 10%).—Dec. 29; 7:30 a.m. to 4:30 p.m. Cloudy all day; temp. 25° to 35°; wind SW, 0-7 m.p.h.; ground covered with 1-1½ ft. of crusted snow; creeks unfrozen, but ponds with thin ice and snow. Six observers in 2 parties. Total party-hours, 16 (4 on foot, 12 by car); Total party-miles, 136 (7 on foot, 129 by car). Mallard, 2; Black Duck, 6; Hooded Merganser, 2; Am. Merganser, 4; Red-tailed Hawk, 3; Marsh Hawk, 2; Sparrow Hawk, 6; Ring-necked Pheasant, 1; Killdeer, 4; Mourning Dove, 42; Belted Kingfisher, 5; Yellow-shafted Flicker, 1; Downy Woodpecker, 17; Horned Lark, 40; Blue Jay, 41; Am. Crow, 781; Black-capped Chickadee, 15; Tufted Titmouse, 6; White-breasted Nuthatch, 15; Brown Creeper, 3; Winter Wren, 1; Carolina Wren, 1; Common Starling, 572; House Sparrow, 253; Cardinal, 46; Evening Grosbeak, 20; Pine Grosbeak, 3; Am. Goldfinch, 9; Slate-colored Junco, 45; Am. Tree Sparrow, 48; White-crowned Sparrow, 1; White-throated Sparrow, 7; Song Sparrow, 8; Snow Bunting, 1 (with Horned Larks). **Total,** 34 species; 2011 individuals. (Seen in area on Dec. 27: Golden-crowned Kinglet, 1; Dec. 28: Cooper's Hawk, 1; Red-bellied Woodpecker, 1; Mockingbird, 1.)—Forrest C. Grimm (compiler), Mr. and Mrs. John C. Grimm, K. Edward Lay, Mr. and Mrs. Harold VanRiper.

**107. Clairton, Pa.** (same as last year, excluding Coal Valley).—Dec. 22; 7:30 a.m. to 5 p.m. Partly cloudy, maximum sunshine; temp. 18° to 24°; wind NW, 25-38 m.p.h.; 1-3 in. snow, woods and north slopes; large streams open; ponds frozen. One observer. Total hours, 9½ (on foot); total miles, 8 (on foot). Ring-necked Pheasant, 7; Downy Woodpecker, 3; Horned Lark, 8; Black-capped Chickadee, 5; Tufted Titmouse, 2; Red-breasted Nuthatch, 1; Carolina Wren, 3; Common Starling, 61; House Sparrow, 27; Cardinal, 14; Am. Tree Sparrow, 3; Song Sparrow, 3. **Total,** 12 species; 137 individuals. —Ellis H. Shimp.

**108. Deer Creek (Allegheny Co.), Pa.** (Denny's Pond to Carson's; both sides of creek; wooded section west of turnpike; Allegheny River, Hulton bridge to upper end of 14-Mile Island; deciduous woodland 75%, open farmland 15%, marsh 5%, urban territory 5%).—Dec. 23; 7:30 a.m. to 3:30 p.m. Partly cloudy; temp. 15° to 30°; wind, 2 m.p.h.; ground covered with 4 to 6 in. of snow, river high, much floating ice on river, ice on shore lines. Four observers in 1 party. Total party-hours, 8 (7 on foot, 1 by car); total party-miles, 11 (8 on foot, 3 by car). Mallard, 8; Black Duck, 115; Am. Merganser, 1; Ring-necked Pheasant, 4; Yellow-shafted Flicker, 1; Downy Woodpecker, 13; Am. Crow, 2; Black-capped Chickadee, 44; Tufted Titmouse, 17; White-breasted Nuthatch, 9; Carolina Wren, 1; Common Starling, 50; House Sparrow, 10; Cardinal, 21; Am. Goldfinch, 56; Slate-colored Junco, 10; Am. Tree Sparrow, 55; Song Sparrow, 17. **Total,** 18 species; 434 individuals.—George A. Hall, Jr., Rowland A. Hawker, Russell Jones, John Sisley.

**109. Easton, Pa.** (7½-mile radius; open farmland 50%, overgrown fields 25%, deciduous woods 25%; inadequate general coverage due to almost impassable ice-coated roads).—Dec. 26; 9:30 a.m. to 5:15 p.m. Clear in a.m., becoming generally overcast by mid-p.m.; temp. 34° to 38°; variable W wind, 5-10 m.p.h.; ½-in. of sleet and ice covering trees and ground from previous night's storm; 3-in. crusted snow; ponds and slower portions of Delaware River frozen. Three observers in 1 party. Total party-hours, 7¾ (6 on foot, 1¾ by car); total party-miles, 35 (12 on foot, 23 by car). Mallard, 5; Black Duck, 17; Am. Merganser, 17; Sharp-shinned Hawk, 2; Red-tailed Hawk, 3; Sparrow Hawk, 3; Herring Gull, 11; Ring-billed Gull, 8; Mourning Dove, 7; Belted Kingfisher, 2; Yellow-shafted Flicker, 1; Hairy Woodpecker, 4; Downy Woodpecker, 6; Horned Lark, 50; Am. Crow, 168; Black-capped Chickadee, 31; Tufted Titmouse, 4; White-breasted Nuthatch, 6; Brown Creeper, 4; Winter Wren, 1; Common Starling, 2000 (est.); House Sparrow, 70; Cardinal, 12; **Evening Grosbeak,** 57; **Pine Grosbeak,** 1; Am. Goldfinch, 11; Slate-colored Junco, 58; Am. Tree Sparrow, 53; White-throated Sparrow, 30; Song Sparrow, 8. **Total,** 30 species, 2650 individuals.—James L. Dyson, Mr. and Mrs. Albert E. Conway.

**110. Elverson (Chester Co.), Pa.** (7½-mile radius from Marsh P.O.; cedar groves and thickets 10%, meadows and swampland 25%, deciduous woods 25%, upland fields 40%).—Dec. 24; 7 a.m. to 5:30 p.m. Clear; temp. 20° to 36°; wind SW, 2-10 m.p.h.; ground partly covered with snow, all ponds frozen. Four observers in 2 parties. Total party-hours, 21 (15 on foot, 6 by car); total party-miles, 90 (32 on foot, 58 by car). Great Blue Heron, 1; Mallard, 12; Black Duck, 6; Turkey Vulture, 8; Sharp-shinned Hawk, 1; Cooper's Hawk, 3; Red-tailed Hawk, 10; Red-shouldered Hawk, 3; Rough-legged Hawk, 2; Marsh Hawk, 2; Sparrow Hawk, 6; Ruffed Grouse, 3; Ring-necked Pheasant, 52; Killdeer, 1; Wilson's Snipe, 4; Screech Owl, 1; Horned Owl, 3; Long-eared Owl, 1; Belted Kingfisher, 3; Yellow-shafted Flicker, 10; Pileated Woodpecker, 3; Hairy Woodpecker, 1; Downy Woodpecker, 35; Horned Lark, 246; Blue Jay, 152; Am. Crow, 720; Black-capped Chickadee, 71; Tufted Titmouse, 18; White-breasted Nuthatch, 8; Brown Creeper, 1; Winter Wren, 1; Am. Robin, 11; Eastern Bluebird, 8; Golden-crowned Kinglet, 10; Common Starling, 970; Myrtle Warbler, 2; House Sparrow, 160; Eastern Meadowlark, 6; Red-winged Blackbird, 56; Rusty Blackbird, 60; Purple Grackle, 2; Cardinal, 53; Evening Grosbeak, 6; Purple Finch, 16; Pine Grosbeak, 18; Am. Goldfinch, 123; Slate-colored Junco, 196; Am. Tree Sparrow,

114; Field Sparrow, 1; White-throated Sparrow, 103; Swamp Sparrow, 3; Song Sparrow, 47. **Total,** 52 species; 3353 individuals. (In area census week: Brown-headed Cowbird, Mourning Dove.)—Robert E. Cook (compiler), Eugene Hollinger, Barry Kruppenbach, Arthur Sigman.

111. **Glenolden, Pa.** (7½-mile radius from Wallingford, Pa., same area as last year with the addition of a territory on the New Jersey side of the Delaware River opposite the Tinicum marshes; marsh 30%, deciduous woodland 20%, town suburbs 20%, uncultivated fields 10%, farmland 5%, water 10%, pine woods 5%).—Dec. 22; 6:30 a.m. to 5 p.m. Overcast; temp. 27° to 36°; wind NW, 5 to 10 m.p.h.; ground bare; river and reservoir free of ice. Thirty observers in 12 parties. Total party-hours, 91 (52 on foot, 38 by car, 1 by boat); total party-miles, 393 (87 on foot, 304 by car, 2 by boat). Horned Grebe, 1; Great Blue Heron, 5; Mallard, 174; Black Duck, 1920; Am. Widgeon, 8; Pintail, 107,537; Green-winged Teal, 450; Blue-winged Teal, 7; Shoveller, 1; Wood Duck, 1; Ring-necked Duck, 2; scaup (sp.), 4; Am. Golden-eye, 3; Buffle-head, 6; Ruddy Duck, 418; Hooded Merganser, 3; Am. Merganser, 21; Red-breasted Merganser, 2; Turkey Vulture, 5; Sharp-shinned Hawk, 4; Cooper's Hawk, 4; Red-tailed Hawk, 51; Red-shouldered Hawk, 15; Rough-legged Hawk, 2; Marsh Hawk, 21; Sparrow Hawk, 21; Ring-necked Pheasant, 25; Florida Gallinule, 1; Killdeer, 5; Great Black-backed Gull, 10; Herring Gull, 457; Ring-billed Gull, 95; Mourning Dove, 2; Barn Owl, 2; Screech Owl, 2; Horned Owl, 1; Long-eared Owl, 4; Short-eared Owl, 2; Saw-whet Owl, 2; Belted Kingfisher, 9; Yellow-shafted Flicker, 17; Hairy Woodpecker, 13; Downy Woodpecker, 63; Horned Lark, 265; Blue Jay, 50; Am. Crow, 1360; Fish Crow, 6; Black-capped Chickadee, 28; Carolina Chickadee, 1; Tufted Titmouse, 96; White-breasted Nuthatch, 44; Red-breasted Nuthatch, 24; Brown Creeper, 15; Winter Wren, 9; Carolina Wren, 11; Long-billed Marsh Wren, 1; Mockingbird, 2; Catbird, 2; Brown Thrasher, 1; Am. Robin, 23; Eastern Bluebird, 13; Golden-crowned Kinglet, 18; Ruby-crowned Kinglet, 1; Water Pipit, 15; Cedar Waxwing, 4; Common Starling, 1981; Myrtle Warbler, 2; House Sparrow, 438; Eastern Meadowlark, 12; Red-winged Blackbird, 130; Rusty Blackbird, 1; Purple Grackle, 1; Cardinal, 84; Evening Grosbeak, 1; Purple Finch, 7; Pine Siskin, 4; Am. Goldfinch, 593; Eastern Towhee, 1; Savannah Sparrow, 11; Slate-colored Junco, 402; Am. Tree Sparrow, 205; Field Sparrow, 45; White-throated Sparrow, 468; Fox Sparrow, 12; Swamp Sparrow, 24; Song Sparrow, 216; Snow Bunting, 7. **Total,** 87 species; 118,030 individuals. (Seen in area Dec. 23, Bald Eagle; Dec. 27, Orange-crowned Warbler; Dec. 29, Am. Bittern, Lapland Longspur.)—F. P. Corbett, David Cutler, Walter Corson, Paul De'Aoun, Mr. and Mrs. V. A. Debes, Richard T. Darby, Howard Donaghy, Mr. and Mrs. John A. Gillespie, James Harvey, Wm. Jay, Jesse R. Lamplugh, Wm. Macmurtrie, Edward Manners, Walter Meagher, Wm. Middleton, John C. Miller, Richard F. Miller, Wm. Miller, Bruce Oakley, Glenna Pay, Chas. E. Price, Jr., Gertrude L. Price, Edward H. Rigby (compiler), E. H. Rigby, 3rd, James P. Rigby, Hugh A. Sargent, Paul Schwalbe, Frank West (Delaware Valley Ornithological Club).

112. **Harrisburg, Pa.** (7½-mile radius centering on point in Camp Hill, including Wildwood Park, Susquehanna River, Marsh Run, Yellow Breeches and Conodoguinet Creeks, and parts of Blue Mountain; mixed woodland 32%, farmland 21%, mountain 12%, creeks 10½%, river 9%, ponds, marshes and swamps 7%, suburbs 6%, dumps 2%, city streets ½%).—Dec. 29; 7 a.m. to 6:45 p.m. Overcast; snow flurries and light drizzle in a.m.; temp. 26° to 34°; wind S, 1-3 m.p.h.; ground covered with 6-10 in. of crusted snow; creeks and river partly frozen, ponds completely frozen. Nineteen observers in 9 parties. Total party-hours, 76¼ (52¼ on foot, 24 by car); total party-miles, 366½ (54½ on foot, 312 by car). Mallard, 202; Black Duck, 313; Gadwall, 3; Am. Widgeon, 2; Pintail, 6; Green-winged Teal, 50; Ring-necked Duck, 1; Am. Golden-eye, 28; Buffle-head, 6; Hooded Merganser, 2; Am. Merganser, 162; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 5; Red-shouldered Hawk, 4; Marsh Hawk, 1; Sparrow Hawk, 10; Ruffed Grouse, 5; Bob-white, 5; Ring-necked Pheasant, 82; Killdeer, 26; **Lesser Yellow-legs,** 1 (P.N.M.—seen at close range through 6x42 binoculars; its characteristic call also heard); Herring Gull, 29; Ring-billed Gull, 1; Mourning Dove, 52; Screech Owl, 1; Horned Owl, 1; Barred Owl, 1; Belted Kingfisher, 4; Yellow-shafted Flicker, 10; Pileated Woodpecker, 2; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 21; Downy Woodpecker, 89; Horned Lark, 19; Blue Jay, 83; Am. Crow, 2779 (1786±200, 993); Black-capped Chickadee, 194; Tufted Titmouse, 75; White-breasted Nuthatch, 65; Red-breasted Nuthatch, 1; Brown Creeper, 18; Winter Wren, 10; Carolina Wren, 17; Mockingbird, 1; Am. Robin, 1; Hermit Thrush, 1; Eastern Bluebird, 10; Golden-crowned Kinglet, 19; Common Starling 2524 (1738±200, 786); House Sparrow, 602; Eastern Meadowlark, 1; Purple Grackle, 1; Cardinal, 159; Evening Grosbeak, 74; Pine Grosbeak, 4 (J.A.R.—abnormally common in mountains this season); Am. Goldfinch, 105; Slate-colored Junco, 407; Am. Tree Sparrow, 161; Field Sparrow, 1; White-throated Sparrow, 74; Swamp Sparrow, 1; Song Sparrow, 122. **Total,** 63 species; about 8658 individuals. (Seen in area Dec. 22: Pine Siskin, 15 (also 4, Dec. 30); Dec. 26: Vesper Sparrow, 1; Dec. 27: Turkey Vulture, 1; Peregrine Falcon, 1.)—Edward S. Frey, George H. Gruber, Mary Gruber, D. L. Knohr, E. L. Knohr, Walter Kohler, Mrs. Romeyn M. Lowther, Albert Mehring, Polly Monz, Philip N. Myers, Allen Rebuck, Jerome A. Reid, Richard Robins, Thomas Schmidt, Mr. and Mrs. Gordon E. Thomas, Evan G. Thomas, Charles Trost, Paul S. Weirick.

113. **Lancaster, Pa.** (7½-mile radius, centered at Slackwater, including Waterworks, Brickyards, Lake Grubb, Washingtonboro, Pequea, Camp Chiquetan, Slackwater, Safe Harbor, Rock Hill, confluence of the

Conestogas; pasture 10%, pine plantings 5%, deciduous woodlots 40%, open farmland 30%, tussock marshes 5%, orchards and parks 5%, town suburbs 5%).—Dec. 29; 7:30 a.m. to 4:30 p.m. Rain, sleet, snow; temp. 30° to 38°; wind SE, about 5 m.p.h.; ground covered with 5-in. crusted snow and ice; Susquehanna River and other large bodies of water completely frozen. Fifteen observers in 6 parties. Total party-hours, 45 (35 on foot, 10 by car); total party-miles, 113 (27 on foot, 86 by car). Great Blue Heron, 1; Mallard, 11; Black Duck, 99; Am. Merganser, 91; Turkey Vulture, 4; Cooper's Hawk, 2; Red-tailed Hawk, 1; Red-shouldered Hawk, 2; Bald Eagle, 2; Marsh Hawk, 1; Sparrow Hawk, 12; Ring-necked Pheasant, 70; Herring Gull, 24; Mourning Dove, 4; Barn Owl, 2; Belted Kingfisher, 3; Yellow-shafted Flicker, 11; Hairy Woodpecker, 6; Downy Woodpecker, 50; Eastern Phoebe, 3; Horned Lark, 75; Blue Jay, 19; Am. Crow, 901; Fish Crow, 20; Black-capped Chickadee, 90; Tufted Titmouse, 32; White-breasted Nuthatch, 33; Red-breasted Nuthatch, 6; Brown Creeper, 9; House Wren, 1 (studied at 20 ft. on well-protected slope—J.W.P., H.A.W., D.G.); Winter Wren, 6; Carolina Wren, 10; Mockingbird, 1; Eastern Bluebird, 12; Golden-crowned Kinglet, 14; Ruby-crowned Kinglet, 2; Common Starling, 1051; House Sparrow, 384; Cardinal, 67; Purple Finch, 1; Am. Goldfinch, 47; Slate-colored Junco, 387; Am. Tree Sparrow, 140; Field Sparrow, 7; White-throated Sparrow, 161; Fox Sparrow, 1; Song Sparrow, 83. **Total,** 47 species; 3959 individuals.—Donald B. Brackbill, Henry C. Brown, Jr., Kenneth B. Corbett (compiler), Mary Grebinger, David Griffiths. Lloyd V. Hassel, John R. Maddox, James D. Nestel, Harry Price, John W. Price, Sr., Margaret Rusk, Charles Y. Tanger, Mrs. Charles Y. Tanger, Harry A. Webster, H. Ray Woerner (Lancaster County Bird Club).

114. **Lewisburg, Pa.** (north along Susquehanna River to Housel's Run, east circling south and west to Kincaid Swamp, east to Lewisburg and northwest through Taylorville circling south and east to river and south to Turtle Creek, west to Dreisbach's Church, Blue Hill area 8 miles south of Lewisburg; mixed woodland 30%, farmland 40%, cattail marsh 10%, river bank 15%, suburbs 5%).—Dec. 26; 8:45 a.m. to 6 p.m. Cloudy to clear; temp. 30° to 38°; wind NE, 5-10 m.p.h.; ground covered with 17-in. snow. Five observers in 2 parties. Total party-hours, 28 (20 on foot, 8 by car); total party-miles, 82 (21 on foot, 61 by car). Mallard, 5; Black Duck, 195; Am. Golden-eye, 4; Am. Merganser, 5; Red-breasted Merganser, 13; Cooper's Hawk, 2; Red-tailed Hawk, 1; Red-shouldered Hawk, 2; Rough-legged Hawk, 4; Sparrow Hawk, 2; Ruffed Grouse, 1; Ring-necked Pheasant, 214; Herring Gull, 4; Ring-billed Gull, 2; Mourning Dove, 1; Belted Kingfisher, 1; Hairy Woodpecker, 1; Downy Woodpecker, 21; Blue Jay, 18; Am. Crow, 1050; Fish Crow, 3; Black-capped Chickadee, 52; Tufted Titmouse, 25; White-breasted Nuthatch, 31; Brown Creeper, 1; Winter Wren, 1; Common Starling, 420; Myrtle Warbler, 1; House Sparrow, 230; Eastern Meadowlark, 1; Cardinal, 15; Evening Grosbeak, 30; Am. Goldfinch, 48; Slate-colored Junco, 49; Am. Tree Sparrow, 115; Field Sparrow, 6; Swamp Sparrow, 1; Song Sparrow, 11. **Total,** 38 species; 2586 individuals.—Frank Kury, Allan Manning, Larry McQueen, John Musser, Hollis T. Ross (compiler, Bucknell Ornithological Club).

115. **Linesville, Pa.** (same area and habitat coverage as last year).—Dec. 27; 8:15 a.m. to 4:45 p.m. Sunny, frosty; temp. 16° to 24°; wind NW, 15-25 m.p.h.; ground and roads covered with ice and 4-6 in. crusted snow, lakes frozen. Three observers in 1 party. Total party-hours, 8 (5 on foot, 3 by car); total party-miles, 60 (8 on foot, 52 by car). Canada Goose, 1200 (est.); Mallard, 550 (est.); Black Duck, 200 (est.); Lesser Scaup, 2; Am. Golden-eye, 1♀; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Hairy Woodpecker, 2; Downy Woodpecker, 5; Horned Lark, 1; Blue Jay, 6; Black-capped Chickadee, 15; Tufted Titmouse, 2; White-breasted Nuthatch, 4; Common Starling, 9; House Sparrow, 172; Cardinal, 40; Am. Goldfinch, 5; Slate-colored Junco, 3; Am. Tree Sparrow, 15; Song Sparrow, 4; Snow Bunting, 365 (±50). **Total,** 22 species; about 2603 individuals. (6 Evening Grosbeaks seen in Meadville, Dec. 27-31.)—Marguerite Geibel, Imogene White, Sara E. Flaugh (compiler, Meadville Bird and Tree Club).

116. **Lititz, Pa.** (same as last year).—Dec. 30; 8 a.m. to 3:30 p.m. Cloudy, very misty; temp. 36° to 38°; wind S, 1-5 m.p.h.; ponds and creeks open, 5 to 7 in. of snow. Eleven observers in 3 parties. Total party-hours, 22½ (12 on foot, 10½ by car); total party-miles, 65 (35 on foot, 30 by car). Mallard, 6; Turkey Vulture, 2; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 2; Sparrow Hawk, 3; Ring-necked Pheasant, 196; Mourning Dove, 12; Belted Kingfisher, 1; Yellow-shafted Flicker, 4; Red-bellied Woodpecker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 17; Eastern Phoebe, 1; Blue Jay, 9; Am. Crow, 43; Black-capped Chickadee, 70; Tufted Titmouse, 19; White-breasted Nuthatch, 20; Brown Creeper, 4; Winter Wren, 1; Carolina Wren, 1; Eastern Bluebird, 2; Golden-crowned Kinglet, 2; Common Starling, 797; Myrtle Warbler, 25; House Sparrow, 695; Eastern Meadowlark, 1; Cardinal, 20; Evening Grosbeak, 4; Am. Goldfinch, 30; Slate-colored Junco, 40; Am. Tree Sparrow, 67; White-throated Sparrow, 20; Song Sparrow, 38. **Total,** 35 species; 2157 individuals.—Charles Bowman, Jr., Robert Buch, Wm. Light, Russell Markert, Charles Regennas, Jr., Donald Ruhl, Paul Seaber, Jr., Barton L. Sharp (compiler), Milton Steffy, Jr., Donald Wier, James Whitmyer (Lititz Bird Club).

117. **New Bloomfield, Pa.** (same area as in previous years, with additional coverage along Juniata River at Aqueduct).—Dec. 30; 6:30 a.m. to 5:30 p.m. Rain and fog; temp. 35° to 42°; no wind; ground covered with 6-in. melting snow; still water mostly frozen; running water open except Juniata River. Ten observers in 3 parties. Total party-hours, 26 (18 on foot, 8 by car); total party-miles, 110 (18 on foot, 92 by car). Greater Scaup, 4; Sharp-shinned Hawk, 1; Red-tailed Hawk, 1; Ruffed Grouse,

2; Bob-white, 18; Ring-necked Pheasant, 3; Killdeer, 1; Wilson's Snipe, 3; Mourning Dove, 1; Screech Owl, 1; Horned Owl, 2; Belted Kingfisher, 2; Yellow-shafted Flicker, 6; Pileated Woodpecker, 5; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 20; Blue Jay, 84; Am. Crow, 164; Black-capped Chickadee, 62; Tufted Titmouse, 31; White-breasted Nuthatch, 20; Red-breasted Nuthatch, 1; Winter Wren, 3; Carolina Wren, 8; Am. Robin, 1; Eastern Bluebird, 3; Golden-crowned Kinglet, 8; Cedar Waxwing, 7; Common Starling, 226; House Sparrow, 213; Eastern Meadowlark, 24; Brown-headed Cowbird, 1; Cardinal, 96; Evening Grosbeak, 24; Purple Finch, 3; Pine Grosbeak, 22; Am. Goldfinch, 7; Slate-colored Junco, 208; Am. Tree Sparrow, 102; Field Sparrow, 8; White-crowned Sparrow, 2; White-throated Sparrow, 19; Song Sparrow, 13. **Total,** 44 species; 1433 individuals.—F. Fry, G. German, Mrs. D. Keiser, Mr. and Mrs. L. Myers, D. K. Reisinger, J. K. Soule, Dr. O. K. Stephenson (compiler), Dr. and Mrs. P. H. Wueller.

**118. Philadelphia Region, Pa.** (same area and habitat percentages as last year).—Dec. 29; 5 a.m. to 5 p.m. Partly cloudy; temp. 33° to 43°; wind SW, 0-3 m.p.h.; rivers open, marshes and streams partially frozen. Thirty-six observers in 14 parties. Total party-hours, 64 (53 on foot, 11 by car); total party-miles, 259 (70 on foot, 189 by car). Horned Grebe, 2; Great Blue Heron, 3; Black-crowned Night Heron, 6; Canada Goose, 4; Mallard, 212; Black Duck, 205; Pintail, 3200; Green-winged Teal, 1; Ring-necked Duck, 10; Canvas-back, 5; Greater Scaup, 2; Lesser Scaup, 15; Am. Golden-eye, 35; Buffle-head, 3; Ruddy Duck, 125; Am. Merganser, 670; Red-breasted Merganser, 3; Sharp-shinned Hawk, 2; Cooper's Hawk, 5; Red-tailed Hawk, 12; Red-shouldered Hawk, 13; Bald Eagle, 1; Marsh Hawk, 2; Peregrine Falcon, 2; Sparrow Hawk, 26; Ring-necked Pheasant, 12; Killdeer, 15; Herring Gull, 560; Ring-billed Gull, 93; Mourning Dove, 32; Barn Owl, 2; Screech Owl, 1; Barred Owl, 1; Belted Kingfisher, 7; Yellow-shafted Flicker, 22; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 20; Downy Woodpecker, 131; Eastern Phoebe, 1; Horned Lark, 2; Blue Jay, 99; Am. Crow, 2230; Fish Crow, 7; Black-capped Chickadee, 108; Carolina Chickadee, 8; Tufted Titmouse, 160; White-breasted Nuthatch, 86; Red-breasted Nuthatch, 17; Brown Creeper, 28; Winter Wren, 10; Carolina Wren, 8; Catbird, 1; Am. Robin, 9; Eastern Bluebird, 15; Golden-crowned Kinglet, 45; Ruby-crowned Kinglet, 1; Cedar Waxwing, 226; Common Starling, 2232; Myrtle Warbler, 13; House Sparrow, 495; Eastern Meadowlark, 5; Red-winged Blackbird, 1; Brown-headed Cowbird, 1; Cardinal, 121; Evening Grosbeak, 6; Purple Finch, 58; Am. Goldfinch, 88; Savannah Sparrow, 2; Slate-colored Junco, 356; Am. Tree Sparrow, 125; Field Sparrow, 40; White-throated Sparrow, 348; Swamp Sparrow, 4; Song Sparrow, 130. **Total,** 74 species; 12,547 individuals. —J. Arnett, D. Bishop, H. Brower, D. Cadbury, J. Cadbury, J. A. Cadbury, H. Cutler, D. A. Cutler, W. Corson, I. Ettinger, E. Finkel, D. Hadley, B. Jay, Q. Kramer, A. McFarland, P. McGonigal, F. McGrenigan, J. McNeill, G. McNeill, G. A. McNeill, J. Miller, R. F. Miller, H. Penniston, E. Philips, C. Price, Jr., R. I. Price, E. J. Reimann, P. Schwalbe, R. Sehl, G. Sivel, C. J. Tracy, M. Weiss, M. Wick, C. Wurster, W. Yoder, A. Zaid.

**119. Reading, Pa.** (7½-mile radius centering 2 miles northeast of city, including Lake Ontelaunee and Birdsboro; deciduous woodland 30%, open farmland 30%, lakes and ponds 10%, streams and river bottom 20%, young pine plantation 10%).—Dec. 23; 8 a.m. to 4 p.m. Partly cloudy; temp. 22° to 30°; wind NW, 5-10 m.p.h.; ground covered with 6-in. crusted snow; lake frozen. Twenty-two observers in 6 parties. Total party-hours, 47 (35 on foot, 12 by car); total party-miles, 120 (30 on foot, 90 by car). Great Blue Heron, 1; Mute Swan, 4; Mallard, 375; Black Duck, 854; Gadwall, 7; Am. Widgeon, 35; Pintail, 45; Green-winged Teal, 56; Shoveller, 1; Lesser Scaup, 2; Am. Merganser, 35; Red-breasted Merganser, 2; Sharp-shinned Hawk, 3; Cooper's Hawk, 2; Red-tailed Hawk, 8; Red-shouldered Hawk, 2; Marsh Hawk, 4; Sparrow Hawk, 4; Ring-necked Pheasant, 64; Am. Coot, 6; Killdeer, 2; Herring Gull, 6; Mourning Dove, 14; Screech Owl, 1; Belted Kingfisher, 5; Yellow-shafted Flicker, 12; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 2; Downy Woodpecker, 52; Horned Lark, 44 (including 2 Prairie); Blue Jay, 28; Am. Crow, 923; Fish Crow, 2; Black-capped Chickadee, 124; Tufted Titmouse, 28; White-breasted Nuthatch, 21; Red-breasted Nuthatch, 3; Brown Creeper, 5; Winter Wren, 1; Catbird, 1; Am. Robin, 4; Eastern Bluebird, 13; Golden-crowned Kinglet, 13; Cedar Waxwing, 39; Common Starling, 750; Myrtle Warbler, 1; House Sparrow, 267; Cardinal, 75; Evening Grosbeak, 3; Purple Finch, 9; Pine Grosbeak, 42; Pine Siskin, 1; Am. Goldfinch, 59; Slate-colored Junco, 311; Am. Tree Sparrow, 51; Field Sparrow, 4; White-throated Sparrow, 77; Song Sparrow, 46. **Total,** 58 species (1 additional subspecies); 4552 individuals.—Barry Bressler, Robert Cooke, Kenneth Dearolf, John DeLuma, Richard Diener, J. Stuart Dreibelbis, Edward Hill, Eugene Hullinger, Warren Kalbach, James W. McIntyre, Joseph Malet, Paul Martin, Byron Nunemacher, Earl L. Poole (compiler), William A. Reger, Charles Schaich, Robert Shade, Sr., Robert Shade, Jr., Arthur Sigman, Jackson Stroud, Ira J. Weigley, Samuel Wishnieski.

**120. Richboro (Bucks Co.), Pa.** (7-mile radius centering on firehouse including Ironworks Cr., reservoir, Neshaminy Cr. at Langhorne Terrace, Little Neshaminy Cr. between Rushland and Grenoble, Edgeboro [Newtown]; second-growth hardwood forests 60%, open fields and pasture 20%, brush grown fields 10%, evergreen woods 5%, marshland 5%).—Dec. 30; 9 a.m. to 3 p.m. Foggy, some rain; temp. 42° to 46°; wind NE, 0-10 m.p.h.; ground bare; lake 85% frozen; streams mostly open. Eight observers in 5 parties. Total party-hours, 10½ (9½ on foot, 1 by car); total party-miles, 38 (23 on foot, 15 by car). Mallard, 85; Am. Widgeon, 1; Pintail, 25; Am. Merganser, 4; Red-tailed Hawk, 2; Red-

shouldered Hawk, 2; Sparrow Hawk, 1; Ring-necked Pheasant, 7; Herring Gull, 4; Belted Kingfisher, 2; Yellow-shafted Flicker, 2; Hairy Woodpecker, 3; Downy Woodpecker, 20; Blue Jay, 4; Am. Crow, 51; Black-capped Chickadee, 12; Tufted Titmouse, 21; White-breasted Nuthatch, 11; Brown Creeper, 1; House Wren, 1 [no details—Ed.]; Winter Wren, 2; Carolina Wren, 2; Loggerhead Shrike, 1; Common Starling, 330; Cardinal, 12; Am. Goldfinch, 1; Slate-colored Junco, 31; Am. Tree Sparrow, 58; Field Sparrow, 1; White-throated Sparrow, 92; Fox Sparrow, 1; Song Sparrow, 42. **Total,** 32 species; 832 individuals. (Seen Dec. 29: Purple Grackle, 1.)—A. Brady, E. Brady, A. Herzog, I. McConnell, E. Rhine, N. Swayne, L. Thomas, R. Thomas (Neshaminy Valley Nature Club).

121. **Scranton, Pa.** (same as last year).—Dec. 23; 8 a.m. to 5 p.m. Clear; temp. 20° to 35°; wind 0-3 m.p.h.; 8-in. snow. Twelve observers in 3 parties. Total party-hours, 19 (10 on foot, 9 by car); total party-miles, 129 (15 on foot, 114 by car). Mallard, 15; Black Duck, 217; Am. Widgeon, 1; Am. Merganser, 9; Cooper's Hawk, 1; Sparrow Hawk, 1; Ruffed Grouse, 3; Ring-necked Pheasant, 14; Screech Owl, 2; Belted Kingfisher, 1; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 4; Downy Woodpecker, 12; Blue Jay, 4; Am. Crow, 89; Black-capped Chickadee, 78; Tufted Titmouse, 1; White-breasted Nuthatch, 9; Brown Creeper, 4; Am. Robin, 1; Eastern Bluebird, 1; Golden-crowned Kinglet, 4; Gray Shrike, 1; Common Starling, 107; House Sparrow, 223; Cardinal, 13; Evening Grosbeak, 32; Purple Finch, 2; Pine Grosbeak, 10; Pine Siskin, 15; Am. Goldfinch, 2; Vesper Sparrow, 1; Slate-colored Junco, 13; Am. Tree Sparrow, 39; Song Sparrow, 5. **Total,** 35 species; 935 individuals. (In territory Dec. 24: Pileated Woodpecker, 1.)—Mr. and Mrs. F. H. Coffin, Elizabeth Crellin, Cornelia Davis, Harold R. Jones, Russell Landis, Eugene Marmo, Peter Price, David and Ronald Wharton, Kenneth Widdall, Ed Williams (Scranton Bird Club).

122. **Southeastern Bradford County, Pa.** (same area and habitat percentages as last year).—Dec. 24; 5 a.m. to 5 p.m. Clear; temp. 15° to 40°; wind NE to NW, 2-10 m.p.h.; 2-4 in. of crusted snow on ground, all water frozen except part of river and creeks. Five observers in 3 parties. Total party-hours, 17 (13 on foot, 4 by car); total party-miles, 114 (14 on foot, 100 by car). Mallard, 1; Black Duck, 54; Am. Golden-eye, 1; Hooded Merganser, 1; Am. Merganser, 48; Cooper's Hawk, 1; Red-tailed Hawk, 1; Ruffed Grouse, 4; Herring Gull, 16; Screech Owl, 2; **Horned Owl,** 11; Belted Kingfisher, 2; Hairy Woodpecker, 2; Downy Woodpecker, 13; Blue Jay, 15; Am. Crow, 100; Black-capped Chickadee, 70; Tufted Titmouse, 7; White-breasted Nuthatch, 23; Brown Creeper, 3; Carolina Wren, 2; Golden-crowned Kinglet, 1; Common Starling, 60; House Sparrow, 30; Cardinal, 5; Am. Goldfinch, 1; **White-winged Crossbill,** 1; Slate-colored Junco, 35; Am. Tree Sparrow, 15; Song Sparrow, 2. **Total,** 30 species; 527 individuals.—Kermit Goodenough, Paul McPherson, Hurst Mitten, William Reid (compiler), John Stanton.

123. **State College, Pa.** (College campus, town, and environs, Pa. Furnace, Buffalo Run, three gaps in Tussey Mountain; town, suburbs, and campus 31%, farmland 17%, thickets 14%, ponds with marshes 9%, forest land 20%, feeding stations 9%).—Dec. 22; 7:30 a.m. to 5:30 p.m. Partly cloudy; temp. 20° to 26°; wind W, 13-24 m.p.h.; 10-in. crusted snow, ponds open. Nineteen observers in 9 parties. Total party-hours, 36 (28 on foot, 8 by car); total party-miles, 91 (23 on foot, 68 by car). Pied-billed Grebe, 2; Mallard, 55; Gadwall, 1; Green-winged Teal, 1; Red-tailed Hawk, 1; Red-shouldered Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 4; Ruffed Grouse, 1; Ring-necked Pheasant, 16; **Mourning Dove,** 8; Horned Owl, 1; Yellow-shafted Flicker, 1; Red-headed Woodpecker, 4; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 4; Horned Lark, 69; Blue Jay, 16; Am. Crow, 195; Black-capped Chickadee, 33; Tufted Titmouse, 13; White-breasted Nuthatch, 17; Red-breasted Nuthatch, 2; Brown Creeper, 1; **Mockingbird,** 1; Am. Robin, 1; Golden-crowned Kinglet, 3; Common Starling, 92; House Sparrow, 156; **Eastern Meadowlark,** 5; Cardinal, 24; **Evening Grosbeak,** 125; Purple Finch, 8; **Pine Grosbeak,** 15; Am. Goldfinch, 39; Slate-colored Junco, 47; Am. Tree Sparrow, 118; White-throated Sparrow, 1; Swamp Sparrow, 1; Song Sparrow, 12. **Total,** 41 species; 1097 individuals.—Mrs. R. W. Barker, Mr. and Mrs. E. R. Bordner, Dorothy Bordner, W. S. Clarke, Jr. (compiler), Mrs. A. W. Cowell, David Cowell, H. B. Curry, Mr. and Mrs. P. B. Dowling, G. J. Free, Mrs. Ruth R. Honey, Mrs. E. T. McDonald, Mr. and Mrs. Vernon Myers, Mrs. C. J. Rowland, Ward M. Sharp, A. E. Smalley, Merrill Wood (State College Bird Club).

124. **Warren, Pa.** (same as last year plus Allegheny River region to 4 miles east and 6 miles west of town; mature deciduous woodland 25%, open farmland and upland fields 25%, town suburbs 10%, river and creek bottomlands 40%).—Dec. 29; 8:30 a.m. to 5 p.m. Overcast; temp. 32° to 36°; wind SE, 4-5 m.p.h.; ground covered with 10-15 in. snow, streams open. Four observers in 2 parties. Total party-hours, 15 (9 on foot, 6 by car); total party-miles, 48 (12 on foot, 36 by car). Pied-billed Grebe, 3; Black Duck, 5; Am. Golden-eye, 17; Am. Merganser, 21; Cooper's Hawk, 1; Belted Kingfisher, 2; Hairy Woodpecker, 5; Downy Woodpecker, 6; Blue Jay, 34; Black-capped Chickadee, 60; White-breasted Nuthatch, 17; Brown Creeper, 9; Golden-crowned Kinglet, 2; Common Starling, 106; House Sparrow, 125; Cardinal, 7; Evening Grosbeak, 7; Slate-colored Junco, 20; Am. Tree Sparrow, 21; Song Sparrow, 1. **Total,** 20 species; 469 individuals.—Curtis Johnson, Harris Johnson (compiler), Robert Sundell, Roger Sundell.

125. **West Chester, Pa.** (7½-mile radius; open farmland 55%, overgrown fields 20%, deciduous woods 20%, mixed evergreen plantings 2%, serpen-

tine barrens 1%, town suburbs 2%).—Dec. 29; 7:30 a.m. to 5:15 p.m. Morning lightly overcast with trace of sleet, afternoon heavily overcast; temp. 30° to 36°; occasional W wind, 1-5 m.p.h.; 1-3 in. of light snow remaining in shaded spots; ponds and larger streams solidly frozen. Thirty-eight observers in 13 parties. Total party-hours, 82 (54¼ on foot, 27¾ by car); total party-miles, 334¼ (54¼ on foot, 280 by car). Great Blue Heron, 8; Canada Goose, 5; Mallard, 94; Black Duck, 2; Am. Merganser, 64; Turkey Vulture, 18; Sharp-shinned Hawk, 3; Cooper's Hawk, 2; Red-tailed Hawk, 7; Red-shouldered Hawk, 7; Marsh Hawk, 2; Sparrow Hawk, 10; Ring-necked Pheasant, 33; **Killdeer,** 8; Herring Gull, 5; Mourning Dove, 33; Screech Owl, 1; Horned Owl, 1; Long-eared Owl, 1; Belted Kingfisher, 14; Yellow-shafted Flicker, 35; Red-bellied Woodpecker, 3; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 14; Downy Woodpecker, 92; **Eastern Phoebe,** 5; Blue Jay, 43; Am. Crow, 1334; Black-capped Chickadee, 42; Carolina Chickadee, 89; Tufted Titmouse, 72; White-breasted Nuthatch, 106; Red-breasted Nuthatch, 5; **Brown Creeper,** 32; Winter Wren, 9; Carolina Wren, 15; **Mockingbird,** 2; Am. Robin, 4; Eastern Bluebird, 54; Golden-crowned Kinglet, 40; Cedar Waxwing, 6; Common Starling, 1414; Myrtle Warbler, 12; House Sparrow, 558; Eastern Meadowlark, 19; Red-winged Blackbird, 2; Purple Grackle, 40; **Brown-headed Cowbird,** 1; Cardinal, 106; Purple Finch, 20; Am. Goldfinch, 214; Eastern Towhee, 5; Slate-colored Junco, 605; Am. Tree Sparrow, 347; **Field Sparrow,** 26; White-throated Sparrow, 289; **Fox Sparrow,** 1; Swamp Sparrow, 2; Song Sparrow, 138. **Total,** 59 species; 6121 individuals. (Seen in area Dec. 24: Wilson's Snipe, 1 [C. White]; Dec. 28: Am. Golden-eye, 3 [Bryans].)—Mr. and Mrs. Edward Siddall, Jr., Gilbert and John Siddall, Anna P. and Florence E. James, Frances L. Groff, Mr. and Mrs. Frederic Swan, Christopher and Daniel White, Mr. and Mrs. Joseph Cope, Helen E. and Gertrude Rhoads, Arthur Hoopes, Edna E. Mendenhall, Mrs. Isaac G. Roberts, Edna Hess, Mrs. Laura W. Abbott, Horace H. Way, Margaret S. Goodwin, Violet L. Findlay, Mary L. Thomas, Mrs. Abner W. Few, Mrs. Lewis Marshall, Rev. and Mrs. John H. Leitch, Mrs. C. Edgar Cope, Thomas Morgan, Joanna R. Bucknell, Mr. and Mrs. Herman F. Kuch, Jr., Mr. and Mrs. Cyril K. Bryan, William B. Heed, Mr. and Mrs. Albert E. Conway (West Chester Bird Club).

**126. Wyncote, Pa.** (approximately same area as in recent years).—Dec. 23; 7:30 a.m. to 5:15 p.m. Clearing; temp. 24° to 38°; wind S, 14 m.p.h.; ground bare. Twenty-five observers in 14 parties. Total party-hours, 98 (34 on foot, 64 by car); total party-miles, 69 (30 on foot, 39 by car). Sharp-shinned Hawk, 2; Cooper's Hawk, 1; Red-tailed Hawk, 4; Red-shouldered Hawk, 5; Marsh Hawk, 2; Sparrow Hawk, 6; Ring-necked Pheasant, 18; Herring Gull, 4; Mourning Dove, 47; Barn Owl, 1; Screech Owl, 2; Yellow-shafted Flicker, 22; Hairy Woodpecker, 10; Downy Woodpecker, 70; Blue Jay, 51; Am. Crow, 1031+; Black-capped Chickadee, 65; Tufted Titmouse, 97; White-breasted Nuthatch, 59; Red-breasted Nuthatch, 14; Brown Creeper, 7; Winter Wren, 1; Catbird, 1 (A.M.); Am. Robin, 1; Eastern Bluebird, 16; Golden-crowned Kinglet, 11; Ruby-crowned Kinglet, 2; Cedar Waxwing, 35; Gray Shrike, 1; Common Starling, 1817+; House Sparrow, 388+; Eastern Meadowlark, 17; Brown-headed Cowbird, 64 (flock of 63—J.D.); Cardinal, 86; Purple Finch, 33; Am. Goldfinch, 59; Eastern Towhee, 2; Slate-colored Junco, 311; Am. Tree Sparrow, 55; Chipping Sparrow, 2 [no details—Ed.]; Field Sparrow, 10; White-throated Sparrow, 328; Song Sparrow, 53. **Total,** 43 species; 4811+ individuals.—Andrew Boissevain, Mrs. W. Custer, Mr. and Mrs. H. Dievler, Mr. and Mrs. John Dornan, Lawrence Ficket, William Gericke, Mr. and Mrs. E. Griscom, Jay V. Hare, John Holmes, Fred Mears, Mr. and Mrs. A. Moore, Mrs. F. Ramsay, Mrs. T. Rossiter, Mrs. C. Rowland, Jay Schnell, A. Shaffer, Mrs. C. Sievert, Mr. and Mrs. C. Sooy, Mr. and Mrs. H. Wright (Wyncote Bird Club).

**127. York, Pa.** (approximately same area as in 8 previous years; town suburbs, fields, and countryside, from York east to Susquehanna River, from 3 miles north to 3 miles south; open farmland 50%, deciduous farm woodlots 10%, marshy meadow 5%, woodland and fields along river 30%, town suburbs 5%).—Dec. 29; 7 a.m. to 4:30 p.m. Snow, rain, later cloudy; temp. 40° to 29°; wind S, 1-7 m.p.h.; 2-3 in. of crusted snow on ground, river frozen. Fourteen observers in 9 parties. Total party-hours, 29½ (22 on foot, 7½ by car); total party-miles, 62 (13 on foot, 49 by car). Mallard, 1; Black Duck, 500 (±25); Am. Merganser, 2; Sharp-shinned Hawk, 1; Marsh Hawk, 3; Peregrine Falcon, 1; Sparrow Hawk, 7; Bob-white, 6; Ring-necked Pheasant, 12; Killdeer, 3; Wilson's Snipe, 1; Ring-billed Gull, 2; Mourning Dove, 39; Yellow-shafted Flicker, 5; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 13; Horned Lark, 100 (±10); Blue Jay, 42; Am. Crow, 608; Fish Crow, 2; Black-capped Chickadee, 15; Carolina Chickadee, 1; Tufted Titmouse, 20; White-breasted Nuthatch, 21; Brown Creeper, 3; Winter Wren, 1; Carolina Wren, 7; Mockingbird, 4; Brown Thrasher, 1; Am. Robin, 1; Golden-crowned Kinglet, 3; Ruby-crowned Kinglet, 1; Common Starling, 812; Myrtle Warbler, 1; House Sparrow, 319; Eastern Meadowlark, 2; Cardinal, 64; Am. Goldfinch, 17; Slate-colored Junco, 77; Am. Tree Sparrow, 21; White-crowned Sparrow, 2; White-throated Sparrow, 90; Song Sparrow, 38; Snow Bunting, 500 (±25). **Total,** 45 species; 3372 individuals. (Seen during count period: Lapland Longspur, Dickcissel, Red-shouldered Hawk; Eastern Bluebird, Gray Shrike, Red-breasted Nuthatch.)—Elizabeth Bilger, Ross B. Bigler, Luther Dehoff, Arlene S. Dietz, Mrs. George Dressler, Mrs. Stuart E. Heiges, Andrew M. Leader, Esther M. Knipe, Mary E. Neiman, Anna C. Reinecker, Sara Ross Smith, Sylvia Yeager, Mrs. J. T. Yoder, Viola V. Dietz (York County Bird Club).

**128. Bombay Hook National Wildlife Refuge (Kent Co.), Del.** (same area and habitat percentages as last year).—Dec. 23; 6:15 a.m. to 6 p.m. Partly

cloudy; temp. 27° to 38°; wind SE, 6 m.p.h.; lakes frozen, rivers and creeks (brackish) open. Twenty-three observers in 8 parties. Total party-hours, 219 (189 on foot, 30 by car); total party-miles, 312 (93 on foot, 219 by car). Common Loon, 1; Horned Grebe, 1; Pied-billed Grebe, 1; Great Blue Heron, 23; Black-crowned Night Heron, 3; Am. Bittern, 3; Whistling Swan, 1; Canada Goose, 1847; Snow Goose, 1; Mallard, 495; Black Duck, 12,792; Gadwall, 30; Am. Widgeon, 145; Pintail, 1170; Green-winged Teal, 234; Shoveller, 13; Ring-necked Duck, 4; Canvas-back, 177; Greater Scaup, 523; Lesser Scaup, 82; Am. Golden-eye, 53; Buffle-head, 17; Old-squaw, 9; White-winged Scoter, 28; Surf Scoter, 2; Ruddy Duck, 37; Hooded Merganser, 5; Am. Merganser, 26; Red-breasted Merganser, 8; Turkey Vulture, 209; Sharp-shinned Hawk, 3; Cooper's Hawk, 5; Red-tailed Hawk, 30; Red-shouldered Hawk, 4; Rough-legged Hawk, 9; Bald Eagle, 7; Marsh Hawk, 71; Peregrine Falcon, 2; Sparrow Hawk, 62; Bob-white, 13; Ring-necked Pheasant, 2; Clapper Rail, 3; Am. Coot, 33; Killdeer, 9; Wilson's Snipe, 6; Great Black-backed Gull, 17; Herring Gull, 449; Ring-billed Gull, 89; Mourning Dove, 78; Barn Owl, 9; Horned Owl, 1; Long-eared Owl, 1; Short-eared Owl, 2; Saw-whet Owl, 1; Belted Kingfisher, 3; Yellow-shafted Flicker, 71; Pileated Woodpecker, 1; Red-bellied Woodpecker, 16; Hairy Woodpecker, 8; Downy Woodpecker, 36; Eastern Phoebe, 2; Horned Lark, 419; Blue Jay, 60; Am. Crow, 9266; Fish Crow, 129; Black-capped Chickadee, 3; Carolina Chickadee, 104; Tufted Titmouse, 49; White-breasted Nuthatch, 17; Red-breasted Nuthatch, 8; Brown Creeper, 12; Winter Wren, 3; Carolina Wren, 70; Long-billed Marsh Wren, 5; Short-billed Marsh Wren, 1; Mockingbird, 24; Catbird, 1; Brown Thrasher, 2; Am. Robin, 36; Hermit Thrush, 1; Eastern Bluebird, 20; Golden-crowned Kinglet, 33; Ruby-crowned Kinglet, 2; Water Pipit, 19; Cedar Waxwing, 3; Loggerhead Shrike, 10; Common Starling, 2530; Myrtle Warbler, 848; Common Yellowthroat, 1; House Sparrow, 241; Eastern Meadowlark, 659; Red-winged Blackbird, 12,262; Rusty Blackbird, 160; Purple Grackle, 128; Brown-headed Cowbird, 1107; Cardinal, 105; Am. Goldfinch, 263; Eastern Towhee, 118; Ipswich Sparrow, 1; Savannah Sparrow, 91; Slate-colored Junco, 101; Am. Tree Sparrow, 500; Field Sparrow, 62; White-throated Sparrow, 249; Fox Sparrow, 1; Swamp Sparrow, 58; Song Sparrow, 232. **Total,** 107 species; 48,997 individuals.—John H. Arnett, Jr., Trusten M. Baldwin, Joseph M. Cadbury, Walter Corson, David Cutler, Herbert S. Cutler (compiler), Fred Gloeckner, Edward Gordon, William Jay, Quintin Kramer, Frank Marinaro, Paul J. McGonigal, John Miller, Richard F. Miller, Glenna Pay, Charles E. Price, William P. Reynolds, Edward Rigby, Edward Rigby 3rd, Paul W. Schwalbe, Robert Sehl, Lewis G. Sterner, Morris Weiss (Delaware Valley Ornithological Club).

129. **Middletown, Del.** (same as 1948).—Dec. 28; 6:45 a.m. to 5:30 p.m. Clear, becoming overcast in p.m.; temp. 18° to 35°; wind NW to SE, 2-8 m.p.h.; ground bare; ponds frozen. Seven observers, mostly together. Total party-hours, 12½ (10½ on foot, 2 by car); total party-miles, 57 (7 on foot, 50 by car). Pied-billed Grebe, 1; Great Blue Heron, 7; Canada Goose, 19; Mallard, 63; Black Duck, 1643 (1500±200, 143); Pintail, 6; Ring-necked Duck, 2; Canvas-back, 2; scaup (sp.), 2; Ruddy Duck, 2; Am. Merganser, 21; Turkey Vulture, 22; Red-tailed Hawk, 3; Broad-winged Hawk, 1 (clearly seen by E.B. and E.B.); Rough-legged Hawk, 3; Bald Eagle, 2; Marsh Hawk, 7; Osprey, 1 (E.B. and E.B.); Sparrow Hawk, 4; Killdeer, 1; Great Black-backed Gull, 3; Herring Gull, 67; Ring-billed Gull, 37; Bonaparte's Gull, 2; Mourning Dove, 33; Belted Kingfisher, 3; Yellow-shafted Flicker, 2; Red-bellied Woodpecker, 2; Yellow-bellied Sapsucker, 1; Downy Woodpecker, 3; Horned Lark, 17; Blue Jay, 3; Am. Crow, 284 (250 ±20, 34); Carolina Chickadee, 10; Tufted Titmouse, 7; White-breasted Nuthatch, 1; Red-breasted Nuthatch, 1; Brown Creeper, 1; Winter Wren, 2; Carolina Wren, 5; Mockingbird, 6; Am. Robin, 1; Golden-crowned Kinglet, 3; Ruby-crowned Kinglet, 1; Common Starling, 50,174 (50,000±10,000, 174); Myrtle Warbler, 3; House Sparrow, 7; Eastern Meadowlark, 12; Red-winged Blackbird, 125,106 (125,000 ±25,000, 106); Purple Grackle, 69; Brown-headed Cowbird, 75,081 (75,000±10,000, 81); Cardinal, 9; Am. Goldfinch, 8; Savannah Sparrow, 5; Slate-colored Junco, 38; Am. Tree Sparrow, 12; White-throated Sparrow, 41; Swamp Sparrow, 1; Song Sparrow, 10; Snow Bunting, 10. **Total,** 60 species; about 252,893 individuals. (Mixed flocks calculated to contain about 50% Red-winged Blackbird, 30% Brown-headed Cowbird and 20% Common Starling stretched from one horizon to the other near Delaware City, forming in places dense black clouds of birds. These flocks were estimated to contain about 250,000 birds.)—William Amos, Ethel Brady, Elizabeth Brady, Purnal McWhorter III, Stuyvesant Pell, Walden Pell II (compiler), Davis Washburn.

130. **Accokeek, Md.** (east side of Potomac River just below mouth of Piscataway Creek, Mockley Point to Brian's Point; area of about 2 square miles comprising river front, cultivated river flat, wooded creek bottom, wooded swamp, cattail marsh, and border of adjacent wooded upland).—Dec. 29; 7:40 a.m. to 4:45 p.m. Broken cloudiness; temp. 35° to 46°; wind SE, 0-15 m.p.h.; ground bare; marshes partly frozen, Potomac River open. Three observers in 3 parties. Total party-hours, 23; total party-miles, 18 (all on foot). Black Duck, 40; Buffle-head, 3; Ruddy Duck, 35; Am. Merganser, 35; Turkey Vulture, 15; Black Vulture, 5; Red-tailed Hawk, 2; Rough-legged Hawk, 2; Bald Eagle, 4; Marsh Hawk, 3; Sparrow Hawk, 1; Bob-white, 12; Killdeer, 5; Herring Gull, 20; Ring-billed Gull, 30; Mourning Dove, 65; Belted Kingfisher, 1; Yellow-shafted Flicker, 15; Pileated Woodpecker, 3; Red-bellied Woodpecker, 10; Yellow-bellied Sapsucker, 5; Hairy Woodpecker, 5; Downy Woodpecker, 25; Eastern Phoebe, 1; Blue Jay, 20; Am. Crow, 30; Fish Crow, 1; Carolina Chickadee, 35; Tufted Titmouse, 40; White-breasted Nuthatch, 6; Red-breasted Nuthatch, 4; Brown Creeper, 9; Winter Wren, 2; Carolina Wren, 25;

Mockingbird, 13; Eastern Bluebird, 10; Golden-crowned Kinglet, 22; Ruby-crowned Kinglet, 1; Cedar Waxwing, 8; Common Starling, 600; Myrtle Warbler, 6; House Sparrow, 15; Eastern Meadowlark, 25; Red-winged Blackbird, 30; Cardinal, 40; Purple Finch, 4; Am. Goldfinch, 40; Slate-colored Junco, 130; Am. Tree Sparrow, 6; Field Sparrow, 20; White-throated Sparrow, 130; Swamp Sparrow, 5; Song Sparrow, 60. **Total,** 53 species; about 1679 individuals.—A. A. Baker, Edwin T. McKnight (compiler), Thomas B. Nolan.

**131. Catoctin Mountain, Md.** (7½-mile radius centered 1.3 miles west of Thurmont; described in 1949).—Dec. 30; 7 a.m. to 5:30 p.m. Rain and heavy fog in a.m., clearing in p.m.; temp. 40° to 52°; wind SW to SE, 0 to 5 m.p.h.; ground covered by 8-10 in. of snow, ponds frozen. Nineteen observers in 6 parties. Total party-hours, 61 (31 on foot, 30 by car); total party-miles, 255 (39 on foot, 216 by car). Mallard, 10; Black Duck, 14; Wood Duck, 3; Buffle-head, 17; Hooded Merganser, 1; Am. Merganser, 9; Turkey Vulture, 62; Black Vulture, 12; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 1; Red-shouldered Hawk, 2; Marsh Hawk, 1; Sparrow Hawk, 7; Bob-white, 40; Ring-necked Pheasant, 4; Killdeer, 3; Wilson's Snipe, 2; Mourning Dove, 23; Barn Owl, 1; Screech Owl, 1; Horned Owl, 1; Belted Kingfisher, 3; Yellow-shafted Flicker, 26; Pileated Woodpecker, 1; Red-bellied Woodpecker, 16; Red-headed Woodpecker, 6; Yellow-bellied Sapsucker, 6; Hairy Woodpecker, 10; Downy Woodpecker, 63; Eastern Phoebe, 1; Horned Lark, 2; **Blue Jay,** 326; Am. Crow, 782; Fish Crow, 2; Black-capped Chickadee, 9; Carolina Chickadee, 139; Tufted Titmouse, 89; White-breasted Nuthatch, 71; Red-breasted Nuthatch, 3; Brown Creeper, 19; Winter Wren, 11; Carolina Wren, 27; Mockingbird, 21; Eastern Bluebird, 16; Golden-crowned Kinglet, 17; Ruby-crowned Kinglet, 16; Cedar Waxwing, 38; Loggerhead Shrike, 1; Common Starling, 1590; Myrtle Warbler, 5; House Sparrow, 1311; Eastern Meadowlark, 14; Red-winged Blackbird, 4; Rusty Blackbird, 4; Brown-headed Cowbird, 2; Cardinal, 284; Evening Grosbeak, 18; Purple Finch, 18; Am. Goldfinch, 5; Vesper Sparrow, 1; Slate-colored Junco, 321; Am. Tree Sparrow, 144; Field Sparrow, 24; White-crowned Sparrow, 31; White-throated Sparrow, 194; Song Sparrow, 90. **Total,** 67 species; 6004 individuals. (Seen during the week: Am. Robin, 1; Pine Grosbeak, 6.)—Orville W. Crowder (compiler), Duvall Jones, Seth H. Low, Virginia May, Wm. S. McHoul, Paul F. Nighswonger, Mr. and Mrs. Melvin J. Partridge, Thomas Partridge, Susan Partridge, Sarah Quinn, Dr. and Mrs. John W. Richards, Chandler S. Robbins, Mrs. Wm. R. Slemmer, Dr. and Mrs. Ralph S. Stauffer, Jack Weaver, Edwin Willis (Washington County Bird Club and Frederick Branch, Maryland Ornithological Society).

**132. Chase, Md.** (same area as last year).—Dec. 29; 6:30 a.m. to 5:45 p.m. Partly cloudy; temp. 28° to 46°; wind SW, 8-10 m.p.h.; ground bare, smaller estuaries and creeks frozen. Twenty-three observers in 6 parties. Total party-hours, 49 (43 on foot, 6 by car); total party-miles, 141 (25 on foot, 116 by car). Horned Grebe, 2; Great Blue Heron, 4; **Whistling Swan,** 1400; Canada Goose, 245; Mallard, 9; Black Duck, 106; Gadwall, 4; Am. Widgeon, 751; Pintail, 11; Redhead, 584; Canvas-back, 400; Lesser Scaup, 184; Am. Golden-eye, 28; Buffle-head, 6; Old-squaw, 3; Ruddy Duck, 331; Am. Merganser, 85; Turkey Vulture, 15; Black Vulture, 1; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 3; Red-shouldered Hawk, 3; **Bald Eagle,** 34; Marsh Hawk, 16; Sparrow Hawk, 6; Bob-white, 21; **Virginia Rail,** 17; Am. Coot, 165; Great Black-backed Gull, 3; Herring Gull, 60; Ring-billed Gull, 32; Mourning Dove, 2; Horned Owl, 1; Belted Kingfisher, 5; Yellow-shafted Flicker, 31; Red-bellied Woodpecker, 29; Red-headed Woodpecker, 2; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 6; Downy Woodpecker, 34; Eastern Phoebe, 1; Horned Lark, 6; Blue Jay, 103; Am. Crow, 501; Carolina Chickadee, 71; Tufted Titmouse, 46; White-breasted Nuthatch, 36; Red-breasted Nuthatch, 2; Brown Creeper, 25; Winter Wren, 9; Carolina Wren, 39; Mockingbird, 20; Catbird, 1; Brown Thrasher, 1; Am. Robin, 23; Hermit Thrush, 1; Eastern Bluebird, 24; Golden-crowned Kinglet, 40; Cedar Waxwing, 12; Common Starling, 819; Myrtle Warbler, 169; House Sparrow, 81; Eastern Meadowlark, 32; Red-winged Blackbird, 1888; Rusty Blackbird, 3; Brown-headed Cowbird, 3; Cardinal, 69; **Evening Grosbeak,** 11; Purple Finch, 6; Am. Goldfinch, 126; Eastern Towhee, 91; Savannah Sparrow, 4; Slate-colored Junco, 240; Am. Tree Sparrow, 146; Field Sparrow, 21; White-throated Sparrow, 221; Swamp Sparrow, 58; Song Sparrow, 148. **Total,** 79 species; 9740 individuals. (One Common Yellowthroat observed in area Dec. 26 by D.J.)—Mr. and Mrs. William Benesch, A. A. Brandenburg, Richard D. Cole, Betty Dinkle, Emile Dinkle, Ira Dinkle, Peggy Dinkle, George Drumm, Nelson Edwards, Douglas Hackman, Duvall A. Jones, Jack Kaufmann, Haven Kolb (compiler), Ruth Lenderking, Seth Low, Mrs. Carl Lubbert, Joyce Lubbert, Chandler S. Robbins, Andrew Simon, Irma Simon, Stephen Simon, Jack Weaver.

**133. Denton (Caroline Co.), Md.** (same area and habitat percentages as last year).—Dec. 22; 6:30 a.m. to 4:15 p.m. Cloudy, clearing by 12; temp. 34° to 32°; wind NW, 15-25 m.p.h.; ground bare, water open, flowing streams flooded by heavy rains, roads partly impassable. Ten observers in 8 parties. Total party-hours, 49 (36 on foot, 13 by car); total party-miles, 212 (16 on foot, 196 by car). Great Blue Heron, 3; Canada Goose, 84; Mallard, 2; Black Duck, 77; Greater Scaup, 2; Am. Merganser, 3; Turkey Vulture, 250; Red-tailed Hawk, 3; Red-shouldered Hawk, 2; Bald Eagle, 5; Marsh Hawk, 13; Sparrow Hawk, 18; Bob-white, 18; Killdeer, 1; Herring Gull, 9; Ring-billed Gull, 14; Mourning Dove, 191; Screech Owl, 1; Belted Kingfisher, 3; Yellow-shafted Flicker, 8; Red-bellied Woodpecker, 8; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 10; Eastern Phoebe, 1; Horned Lark, 57; Blue Jay, 3; Am. Crow, 181; Carolina Chickadee, 47;

Tufted Titmouse, 9; White-breasted Nuthatch, 2; Red-breasted Nuthatch, 3; Brown Creeper, 4; Winter Wren, 1; Carolina Wren, 5; Mockingbird, 10; Am. Robin, 14; Eastern Bluebird, 58; Golden-crowned Kinglet, 7; Water Pipit, 38; Loggerhead Shrike, 5; Common Starling, 1075; House Sparrow, 307; Eastern Meadowlark, 147; Red-winged Blackbird, 161; Purple Grackle, 66; Brown-headed Cowbird, 431; Cardinal, 74; Am. Goldfinch, 151; Eastern Towhee, 1; Slate-colored Junco, 174; Field Sparrow, 18; White-throated Sparrow, 49; Song Sparrow, 9. **Total,** 54 species; 3836 individuals. (Unidentified ducks, 138; Screech Owl observed at 9 p.m.)—Roger Adams, Elsie Bilbrough, Irene Bilbrough, Margarete Butenschoen, Merle Crouse, A. J. Fletcher (compiler), Roberta B. Fletcher, Marvin Hewitt, Alicia O'C. Knotts, A. May Thompson.

**134. Gibson Island, Md.** (same as last year).—Dec. 30; 7 a.m. to 5 p.m. Clear 10%, overcast 90%, drizzle 4 hrs.; temp. 42° to 49°; wind SE, 0-5 m.p.h.; all fresh water frozen. Eight observers in 2 parties. Total party-hours, 20 (18 on foot, 2 by car); total party-miles, 10 (8 on foot, 2 by car). Common Loon, 1; Red-throated Loon, 1; Horned Grebe, 11; Pied-billed Grebe, 1; Great Blue Heron, 4; Whistling Swan, 300; Canada Goose, 10; Blue Goose, 1; Mallard, 5; Black Duck, 6; Am. Widgeon, 400; Redhead, 50; Ring-necked Duck, 12; Canvas-back, 100; Greater Scaup, 50; Am. Golden-eye, 25; Buffle-head, 75; Oldsquaw, 15; White-winged Scoter, 8; Ruddy Duck, 500; Am. Merganser, 2; Turkey Vulture, 5; Cooper's Hawk, 1; Sparrow Hawk, 1; Bob-white, 4; Killdeer, 12; Red-backed Sandpiper, 1; Great Black-backed Gull, 2; Herring Gull, 10; Ring-billed Gull, 6; Mourning Dove, 8; Screech Owl, 1; Belted Kingfisher, 12; Yellow-shafted Flicker, 7; Red-bellied Woodpecker, 8; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 1; Downy Woodpecker, 8; Blue Jay, 5; Am. Crow, 21; Fish Crow, 4; Carolina Chickadee, 21; Tufted Titmouse, 11; White-breasted Nuthatch, 5; Brown Creeper, 4; Carolina Wren, 19; Mockingbird, 19; Am. Robin, 1; Hermit Thrush, 1; Eastern Bluebird, 13; Common Starling, 4; Myrtle Warbler, 7; House Sparrow, 16; Red-winged Blackbird, 1; Cardinal, 40; Evening Grosbeak, 5; Am. Goldfinch, 20; Eastern Towhee, 1; Slate-colored Junco, 40; Am. Tree Sparrow, 15; White-throated Sparrow, 62; Fox Sparrow, 1; Song Sparrow, 18. **Total,** 63 species; 2020 individuals.—E. M. Barry, W. L. Henderson, Mrs. W. L. Henderson (compiler), J. Mason, Jr., Mrs. M. North, Mrs. Gail Tappan, A. L. Varrieur, C. Williams (Anne Arundel Bird Club).

**135. Loch Raven (Baltimore Co.), Md.** (from Towson around the lake through Dulaney Valley to Loch Raven Station and back to Towson; seral stages 30 to 40 years after cultivation 75%, deciduous forest 15%, cultivated land 5%, coniferous plantations 5%).—Dec. 23; 6:30 a.m. to 5:15 p.m. Cloudy, clear; temp. 25° to 44°; wind SW to W, 6-8 m.p.h.; ground mostly covered with 3-in. crusted snow; inlets from lake ice-covered. One observer. Total party-hours, 11 (10 on foot, 1 by car); total party-miles, 29 (10 on foot, 19 by car). Common Loon, 1; Horned Grebe, 1; Black Duck, 63; Am. Merganser, 8; Sharp-shinned Hawk, 2; Red-shouldered (?) Hawk, 2; Bob-white, 27; Belted Kingfisher, 2; Yellow-shafted Flicker, 1; Downy Woodpecker, 5; **Blue Jay,** 21; Am. Crow, 39; Carolina Chickadee, 12; Tufted Titmouse, 2; White-breasted Nuthatch, 2; Red-breasted Nuthatch, 3; Winter Wren, 4; Carolina Wren, 3; Mockingbird, 3; Eastern Bluebird, 25; Golden-crowned Kinglet, 7; Ruby-crowned Kinglet, 2; **Loggerhead Shrike,** 1; Common Starling, 10; Myrtle Warbler, 3; Cardinal, 8; Am. Goldfinch, 29; Slate-colored Junco, 29; Am. Tree Sparrow, 5; White-throated Sparrow, 30; Swamp Sparrow, 3; Song Sparrow, 11. **Total,** 32 species; 364 individuals.—Haven Kolb.

**136. McCoole (Allegany Co.), Md.** (center of town to 1 mile east; center of town north along U. S. 220 to Rawlings; top of Dans Mountain, 3 mi. east of Lonaconing; town suburb 15%, open farmland 25%, deciduous woods 25%, coniferous plantings 10%, pasture 25%).—Dec. 28; 8:30 a.m. to 5:30 p.m. Very hazy all day; temp. 16° to 32°; calm; 5-8 in. of crusted snow. Two observers in 1 party. Total hours, 9 (7 on foot, 2 by car); total miles, 24 (8 on foot, 12 by car). Sparrow Hawk, 1; Ruffed Grouse, 3; Yellow-shafted Flicker, 1; Pileated Woodpecker, 1; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 10; Blue Jay, 1; Am. Crow, 5; Black-capped Chickadee, 10; Tufted Titmouse, 6; White-breasted Nuthatch, 9; Winter Wren, 1; Carolina Wren, 2; Mockingbird, 3; Am. Robin, 2; Hermit Thrush, 2; Eastern Bluebird, 6; Common Starling, 20; House Sparrow, 56; Cardinal, 34; Am. Goldfinch, 2; Slate-colored Junco, 42; Am. Tree Sparrow, 58; White-crowned Sparrow, 6; White-throated Sparrow, 4; Song Sparrow, 4. **Total,** 27 species; 291 individuals.—Byron Kiser, Leonard M. Llewellyn.

**137. Ocean City, Md.** (same area as last 3 years; habitat percentages similar to last 2 years).—Dec. 22; 6 a.m. to 6:30 p.m. Overcast; temp. 36° to 49°; wind W, 8-18 m.p.h.; ground bare; small ponds and sheltered estuaries frozen. Nine observers in 6 parties. Total party-hours, 52 (31 on foot, 16 by car, 5 by boat); total party-miles, 380 (45 on foot, 291 by car, 44 by boat). Common Loon, 3; Red-throated Loon, 9; Horned Grebe, 89; Pied-billed Grebe, 11; Double-crested Cormorant, 4; Great Blue Heron, 13; Am. Bittern, 1; Canada Goose, 3665; Brant, 1370; Snow Goose, 2; Mallard, 196; Black Duck, 2210; Am. Widgeon, 45; Pintail, 535; Green-winged Teal, 102; Wood Duck, 2; Ring-necked Duck, 9; Canvas-back, 2; Am. Golden-eye, 2; **Buffle-head,** 412; Oldsquaw, 1130; White-winged Scoter, 74; Surf Scoter, 54; Am. Scoter, 223; Ruddy Duck, 11; Hooded Merganser, 4; Am. Merganser, 1; Red-breasted Merganser, 52; **Turkey Vulture,** 616; Black Vulture, 4; Sharp-shinned Hawk, 5; Cooper's Hawk, 1; Red-tailed Hawk, 19; Red-shouldered Hawk, 2; Bald Eagle, 1; Marsh Hawk, 22; Pigeon Hawk, 1; Sparrow Hawk, 34; Bob-white, 18; Virginia Rail, 2; Am. Coot, 75; Ringed Plover, 2 (C.L.C., J.E.W.); Kill-

deer, 65; Black-bellied Plover, 21; Ruddy Turnstone, 2 (J.E.W., E.O.M., J.E.K.); Least Sandpiper, 2; Red-backed Sandpiper, 33; Western Sandpiper (probably including Semipalmated Sandpiper), 65; Sanderling, 247; Great Black-backed Gull, 10; Herring Gull, 619; Ring-billed Gull, 373; Bonaparte's Gull, 6; Forster's Tern, 2; Mourning Dove, 259; Barn Owl, 2; Horned Owl, 3; Barred Owl, 1; Short-eared Owl, 1; Belted Kingfisher, 4; Yellow-shafted Flicker, 55; Pileated Woodpecker, 3; Red-bellied Woodpecker, 19; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 9; Downy Woodpecker, 11; Eastern Phoebe, 3; Horned Lark, 61 (12 Prairie and 16 Northern identified); Blue Jay, 4; Am. Crow, 229; Fish Crow, 4; Carolina Chickadee, 60; Tufted Titmouse, 27; White-breasted Nuthatch, 4; Red-breasted Nuthatch, 1; Brown Creeper, 6; Winter Wren, 14; Carolina Wren, 28; Long-billed Marsh Wren, 1; Short-billed Marsh Wren, 2; Mockingbird, 8; Catbird, 1; Brown Thrasher, 1; Am. Robin, 154; **Wood Thrush,** 1 (carefully studied at 10 ft.; large breast spots and other characteristics noted—J.H.B.); Hermit Thrush, 10; Eastern Bluebird, 31; Golden-crowned Kinglet, 15; Ruby-crowned Kinglet, 11; Water Pipit, 90; Loggerhead Shrike, 12; Common Starling, 1063; Myrtle Warbler, 212; Palm Warbler, 16 (14 Western, 2 Yellow); House Sparrow, 228; **Eastern Meadowlark,** 2258; Red-winged Blackbird, 2173; Rusty Blackbird, 1; Boat-tailed Grackle, 40; Purple Grackle, 8; Brown-headed Cowbird, 9; Cardinal, 99; Evening Grosbeak, 10; **Am. Goldfinch,** 1607; Eastern Towhee, 73; Savannah Sparrow, 16; Sharp-tailed Sparrow, 3; Vesper Sparrow, 3; Slate-colored Junco, 350; Am. Tree Sparrow, 31; Field Sparrow, 209; White-throated Sparrow, 560; Fox Sparrow, 1; Swamp Sparrow, 58; Song Sparrow, 130. **Total,** 115 species (2 additional subspecies); 22,781 individuals. (Also 1 freshly-killed Dovekie. Seen during the week, Clapper Rail, 1; and by Charles Mayhood, John W. Taylor and Carl Dianda: Gadwall, 3; King Eider, 1; Piping Plover, 5; Purple Sandpiper, 4.)—Ernest G. Baldwin, John H. Buckalew, Charles L. Clagett, Catherine Crone, J. Ellsworth Knudson, E. O. Mellinger, Chandler S. Robbins (compiler), John W. Terborgh, John E. Willoughby.

**138. Southern Dorchester County, Md.** (Blackwater National Wildlife Refuge to Elliott Island; same area and habitats as in past 4 years).—Dec. 23; 6:30 a.m. to 6 p.m. Clear; temp. 19° to 45°; calm in a.m., wind W, 15 m.p.h. in p.m.; fresh water frozen; Fishing Bay and Blackwater River open except in the more sheltered areas. Seven observers in 4 parties. Total party-hours, 36 (23 on foot, 12 by car, 1 by boat); total party-miles, 138 (20 on foot, 103 by car, 15 by boat). Horned Grebe, 32; Pied-billed Grebe, 1; Great Blue Heron, 12; Black-crowned Night Heron, 3; Whistling Swan, 6; Canada Goose, 3902; Snow Goose, 25; Blue Goose, 1; Snow-Blue Goose hybrid, 1; Mallard, 657; Black Duck, 1810; **Gadwall,** 556; Am. Widgeon, 100; Pintail, 161; Green-winged Teal, 213; Blue-winged Teal, 1; Shoveller, 7; Canvas-back, 1510; scaup (only Greater identified), 513; Am. Golden-eye, 428; Buffle-head, 8; Old-squaw, 43; White-winged Scoter, 1; Surf Scoter, 10; Ruddy Duck, 225; Hooded Merganser, 8; Am. Merganser, 1171; Red-breasted Merganser, 4; Turkey Vulture, 62; Sharp-shinned Hawk, 2; Cooper's Hawk, 2; Red-tailed Hawk, 10; Red-shouldered Hawk, 11; Rough-legged Hawk, 2; Bald Eagle, 16; Marsh Hawk, 24; Sparrow Hawk, 11; Bob-white, 15; **King Rail,** 7; **Virginia Rail,** 58; Am. Coot, 2; Killdeer, 13; Am. Woodcock, 1; Wilson's Snipe, 2; Greater Yellow-legs, 7; Lesser Yellow-legs, 1; Great Black-backed Gull, 3; Herring Gull, 51; Ring-billed Gull, 256; Mourning Dove, 16; Barn Owl, 3; Horned Owl, 4; Barred Owl, 1; Belted Kingfisher, 11; Yellow-shafted Flicker, 34; Pileated Woodpecker, 8; Red-bellied Woodpecker, 4; Hairy Woodpecker, 8; Downy Woodpecker, 17; Eastern Phoebe, 1; Horned Lark, 4; Blue Jay, 4; Am. Crow, 2210; Carolina Chickadee, 59; Tufted Titmouse, 6; White-breasted Nuthatch, 1; Red-breasted Nuthatch, 2; **Brown-headed Nuthatch,** 103; Brown Creeper, 4; House Wren, 1; Winter Wren, 6; Carolina Wren, 36; **Long-billed Marsh Wren,** 27; **Short-billed Marsh Wren,** 164; Mockingbird, 4; Catbird, 3; Am. Robin, 3; Hermit Thrush, 3; Eastern Bluebird, 54; Golden-crowned Kinglet, 36; Ruby-crowned Kinglet, 5; Water Pipit, 26; Loggerhead Shrike, 3; Common Starling, 572; Myrtle Warbler, 1067; Common Yellowthroat, 1; House Sparrow, 64; Eastern Meadowlark, 421; Red-winged Blackbird, 2210; Rusty Blackbird, 6; Purple Grackle, 52; Cardinal, 57; Purple Finch, 1; Am. Goldfinch, 335; Eastern Towhee, 18; Savannah Sparrow, 9; **Sharp-tailed Sparrow,** 1; Slate-colored Junco, 43; Am. Tree Sparrow, 32; Field Sparrow, 54; White-throated Sparrow, 315; **Swamp Sparrow,** 534; Song Sparrow, 233. **Total,** 102 species (1 additional hybrid); 20,861 individuals.—Ernest G. Baldwin, Catherine Crone, J. Ellsworth Knudson, Chandler S. Robbins (compiler), John Terborgh, Cornelius W. Wallace, John E. Willoughby.

**139. Susquehanna Flats—Sassafras River, Md.** (same area as last year).—Dec. 28; 6:45 a.m. to 5:15 p.m. Cloudy; temp. 18° to 40°; wind NW, 5-10 m.p.h.; ground bare and frozen; Chesapeake Bay and estuaries 90-98% frozen. Five observers in 2 parties. Total party-hours, 19¾ (10¾ on foot, 9 by car); total party-miles, 138 (11 on foot, 127 by car). Horned Grebe, 2; **Whistling Swan,** 4940; Canada Goose, 2574; Mallard, 42; Black Duck, 1063; Am. Widgeon, 2; Pintail, 73; Ring-necked Duck, 4; Canvas-back, 1727; scaup (sp.), 75; Am. Golden-eye, 65; Buffle-head, 4; Ruddy Duck, 12; Am. Merganser, 438, Turkey Vulture, 28; Black Vulture, 1; Cooper's Hawk, 2; Red-tailed Hawk, 14; Red-shouldered Hawk, 1; Bald Eagle, 17; Marsh Hawk, 16; Sparrow Hawk, 29; Am. Coot, 59; Herring Gull, 730; Ring-billed Gull, 112; Mourning Dove, 12; Horned Owl, 3; Belted Kingfisher, 1; Yellow-shafted Flicker, 6; Red-bellied Woodpecker, 7; Yellow-bellied Sapsucker, 6; Hairy Woodpecker, 3; Downy Woodpecker, 14; Horned Lark, 6; Blue Jay, 23; Am. Crow, 93; Fish Crow, 11; **Black-capped Chickadee,** 6; Carolina Chickadee, 30; Tufted Titmouse, 13; White-breasted Nuthatch, 6; Red-breasted Nuthatch, 7; Brown

Creeper, 10; Winter Wren, 3; Carolina Wren, 17; Mockingbird, 7; Eastern Bluebird, 30; Golden-crowned Kinglet, 22; Common Starling, 2800; Myrtle Warbler, 28; House Sparrow, 162; Eastern Meadowlark, 7; **Red-winged Blackbird,** 650,000 (est.); Rusty Blackbird, 7; **Purple Grackle,** 100,000 (est.); **Brown-headed Cowbird,** 50,000 (est.); Cardinal, 50; Am. Goldfinch, 32; Eastern Towhee, 5; Vesper Sparrow, 1; Slate-colored Junco, 131; Am. Tree Sparrow, 70; Field Sparrow, 126; White-crowned Sparrow, 6; White-throated Sparrow, 134; Swamp Sparrow, 1; Song Sparrow, 73. **Total,** 67 species; about 815,999 individuals. (One Golden Eagle found freshly killed.)—E. G. Davis (compiler), Seth H. Low, Chandler S. Robbins, John Wholey, John E. Willoughby.

**140. Triadelphia Reservoir (Montgomery and Howard Cos.), Md.** (same area and habitat percentages as previous years: Glenmont, Colesville, Burtonsville, Ashton, Unity, Clarksville, Dayton, Scaggsville, and Atholton).—Dec. 26; 7 a.m. to 5 p.m. Overcast in a.m.; clear in p.m.; temp. 36° to 44°; wind WSW to NW, 5-8 m.p.h. in a.m., 15-20 m.p.h. in p.m.; reservoir mostly open; 1 to 3 in. snow in woods. Nine observers in 4 parties. Total party-hours, 31 (21 on foot, 10 by car); total party-miles, 179 (19 on foot, 160 by car). Red-necked Grebe, 1; Pied-billed Grebe, 2; Canada Goose, 24; Mallard, 100; Black Duck, 250; Buffle-head, 1; Ruddy Duck, 12; Hooded Merganser, 2; Am. Merganser, 108; Turkey Vulture, 71; Black Vulture, 4; Sharp-shinned Hawk, 2; Red-tailed Hawk, 3; Red-shouldered Hawk, 2; Bald Eagle, 1; Marsh Hawk, 4; Sparrow Hawk, 21; Bob-white, 4; Am. Coot, 1; Killdeer, 1; Mourning Dove, 23; Horned Owl, 2; Barred Owl, 1; Yellow-shafted Flicker, 24; Red-bellied Woodpecker, 16; Hairy Woodpecker, 12; Downy Woodpecker, 19; Eastern Phoebe, 1; Horned Lark, 65; Blue Jay, 137; Am. Crow, 1000; Carolina Chickadee, 71; Tufted Titmouse, 22; White-breasted Nuthatch, 17; Red-breasted Nuthatch, 7; Brown Creeper, 5; Winter Wren, 4; Carolina Wren, 12; Mockingbird, 28; Eastern Bluebird, 52; Golden-crowned Kinglet, 23; Water Pipit, 1; Loggerhead Shrike, 4; Common Starling, 3000; Myrtle Warbler, 1; House Sparrow, 113; Eastern Meadowlark, 5; Cardinal, 107; Evening Grosbeak, 1; Purple Finch, 3; Am. Goldfinch, 285; Eastern Towhee, 1; Savannah Sparrow, 1; Slate-colored Junco, 275; Am. Tree Sparrow, 82; Field Sparrow, 33; White-crowned Sparrow, 1; White-throated Sparrow, 96; Swamp Sparrow, 3; Song Sparrow, 49. **Total,** 60 species; 6216 individuals. (Heard in area Dec. 30: Long-eared Owl, 1.)—Mary C. Crone, James V. Derby, John H. Fales, John T. Linehan, Seth H. Low (compiler), Tommy Low, Paul Nighswonger, Chandler S. Robbins, John O. Thomen.

**141. Wicomico (Charles Co.), Md.** (area same as in previous years).—Dec. 30; 7 a.m. to 5:30 p.m. Foggy in a.m., clearing in p.m.; temp. 38° to 45°; wind S, 0-8 m.p.h.; ground bare, all water open. Ten observers in 3 parties. Total party-hours, 30 (22 on foot, 8 by car); total party-miles, 176 (31 on foot, 145 by car). Common Loon, 2; Red-throated Loon, 3; Horned Grebe, 40; Pied-billed Grebe, 9; Great Blue Heron, 11; Am. Bittern, 1; Whistling Swan, 24; Canada Goose, 89; Mallard, 101; Black Duck, 208; Gadwall, 22; Am. Widgeon, 350; Pintail, 5; Redhead, 7; **Canvas-back,** 8520; Greater Scaup, 21; Am. Golden-eye, 34; Buffle-head, 39; Old-squaw, 15; Ruddy Duck, 2114; Am. Merganser, 2; Turkey Vulture, 52; Black Vulture, 13; Red-tailed Hawk, 9; Red-shouldered Hawk, 7; Bald Eagle, 7; Marsh Hawk, 11; Sparrow Hawk, 15; Bob-white, 23; King Rail, 1; Am. Coot, 8; Killdeer, 32; Am. Woodcock, 3; Herring Gull, 73; Ring-billed Gull, 64; Mourning Dove, 21; Barn Owl, 1; Screech Owl, 1; Belted Kingfisher, 12; Yellow-shafted Flicker, 30; Red-bellied Woodpecker, 28; Hairy Woodpecker, 9; Downy Woodpecker, 22; Horned Lark, 80; Blue Jay, 24; Am. Crow, 279; Carolina Chickadee, 143; Tufted Titmouse, 53; White-breasted Nuthatch, 3; Red-breasted Nuthatch, 12; Brown Creeper, 8; Winter Wren, 6; Carolina Wren, 95; Long-billed Marsh Wren, 2; Mockingbird, 49; Catbird, 3; Brown Thrasher, 5; Am. Robin, 5; Eastern Bluebird, 118; Golden-crowned Kinglet, 68; Ruby-crowned Kinglet, 1; Cedar Waxwing, 59; Loggerhead Shrike, 6; Common Starling, 395; Myrtle Warbler, 181; Common Yellowthroat, 5; House Sparrow, 114; Eastern Meadowlark, 313; Red-winged Blackbird, 726; Rusty Blackbird, 19; Purple Grackle, 3; Brown-headed Cowbird, 15; Cardinal, 157; Purple Finch, 11; Am. Goldfinch, 242; Eastern Towhee, 31; Savannah Sparrow, 20; Slate-colored Junco, 584; Am. Tree Sparrow, 32; Field Sparrow, 73; White-throated Sparrow, 390; Swamp Sparrow, 52; Song Sparrow, 287. **Total,** 83 species; 16,728 individuals.—Charles Clagett, Carl Dianda, Larry Griffin, Nick Kerr, John Taylor (compiler), John Terborgh, Charles Ward, Richard Ward, Mr. and Mrs. T. L. Zapf.

**142. Abingdon, Va.** (area same as last year with addition of South Holston Reservoir which had not filled last year; farmland and pastures 20%, deciduous woodland 30%, mixed pine and deciduous woodland 30%, marsh and creek bottoms 10%, lake 10%).—Dec. 21; 7 a.m. to 5:30 p.m. Cloudy to clear in p.m.; temp. 37° to 52°; wind SW to W, 0-35 m.p.h.; all water free of ice. One observer. Total hours, 10½ (10 on foot, ½ by car); total miles, 16 (10 on foot, 6 by car). Pied-billed Grebe, 2; Great Blue Heron, 2; Mallard, 10; Lesser Scaup, 2; Am. Golden-eye, 3; Buffle-head, 1; Hooded Merganser, 10; Red-breasted Merganser, 3; Turkey Vulture, 12; Black Vulture, 5; Sparrow Hawk, 1; Ruffed Grouse, 1; Bob-white, 17; Ring-billed Gull, 2; Mourning Dove, 17; Belted Kingfisher, 2; Pileated Woodpecker, 3; Hairy Woodpecker, 1; Downy Woodpecker, 7; Eastern Phoebe, 2; Blue Jay, 8; Am. Crow, 45; Carolina Chickadee, 27; Tufted Titmouse, 28; White-breasted Nuthatch, 1; Red-breasted Nuthatch, 2; Brown Creeper, 2; Carolina Wren, 12; Mockingbird, 10; Eastern Bluebird, 14; Golden-crowned Kinglet, 10; Loggerhead Shrike, 1; Common Starling, 205; Myrtle Warbler, 1; House Sparrow, 67; Eastern Meadowlark, 3; Red-

winged Blackbird, 127; Brown-headed Cowbird, 28; Cardinal, 83; Purple Finch, 1; Am. Goldfinch, 59; Slate-colored Junco, 99; Field Sparrow, 5; White-crowned Sparrow, 10; Swamp Sparrow, 2; Song Sparrow, 54. **Total,** 46 species; 1007 individuals. (Seen in area Dec. 20: Am. Coot, 1; Red-bellied Woodpecker, 1; White-throated Sparrow, 10.)—Stephen M. Russell.

**143. Back Bay National Wildlife Refuge, Va.** (same area as in previous years, refuge area and much of mainland Princess Anne Co.; open farmland 20%, pine woodland 10%, deciduous woodland 20%, ocean beach 5%, marshes and inland bay 45%). —Dec. 29; 7 a.m. to 5:30 p.m. Partly cloudy; temp. 31° to 45°; wind E, 3-10 m.p.h.; ground bare, fresh water partially frozen. Seven observers in 3 parties. Total party-hours, 26 (22 on foot, 2 by car, 2 by motorboat); total party-miles, 130 (16 on foot, 110 by car, 4 by boat). Common Loon, 17; Red-throated Loon, 1; Horned Grebe, 55; Pied-billed Grebe, 5; Double-crested Cormorant, 1; Great Blue Heron, 6; Black-crowned Night Heron, 24; Whistling Swan, 2000 (est.); Canada Goose, 4000 (est.); Snow Goose, 7000 (est.); Mallard, 10; Black Duck, 590 (500 est., 90); Am. Widgeon, 40,000 (est.); Pintail, 600 (est.); Green-winged Teal, 6; Redhead, 40,000 (est.); Ring-necked Duck, 500 (est.); Canvas-back, 1000 (est.); scaup (sp.), 6; Am. Golden-eye, 3; Buffle-head, 4; White-winged Scoter, 102; Surf Scoter, 7; Am. Scoter, 73; Ruddy Duck, 60; Hooded Merganser, 9; Am. Merganser, 8; Red-breasted Merganser, 8; Turkey Vulture, 4; Black Vulture, 94; Cooper's Hawk, 1; Red-tailed Hawk, 2; Red-shouldered Hawk, 2; Bald Eagle, 5; Marsh Hawk, 25; Peregrine Falcon, 1; Sparrow Hawk, 25; King Rail, 2; Am. Coot, 10,000 (est.); Killdeer, 7; Black-bellied Plover, 1; Wilson's Snipe, 9; Greater Yellow-legs, 1; Sanderling, 1; Great Black-backed Gull, 23; Herring Gull, 85; Ring-billed Gull, 161; Laughing Gull, 4; Bonaparte's Gull, 6; **Black Skimmer,** 2 (observed both at rest and in flight—R.J.B., J.E.P., F.C.R., F.R.S.); Mourning Dove, 33; Yellow-shafted Flicker, 35; Pileated Woodpecker, 4; Red-bellied Woodpecker, 19; Yellow-bellied Sapsucker, 4; Hairy Woodpecker, 1; Downy Woodpecker, 21; **Red-cockaded Woodpecker,** 2 (F.R.S.); Eastern Phoebe, 4; Blue Jay, 1; Am. Crow, 64; Fish Crow, 6; Carolina Chickadee, 55; Tufted Titmouse, 17; White-breasted Nuthatch, 2; Brown-headed Nuthatch, 25; Brown Creeper, 5; House Wren, 1; Winter Wren, 10; Carolina Wren, 72; **Long-billed Marsh Wren,** 30; Short-billed Marsh Wren, 8; Mockingbird, 19; Catbird, 31; Brown Thrasher, 2; Am. Robin, 86; Hermit Thrush, 7; Eastern Bluebird, 29; Golden-crowned Kinglet, 6; Ruby-crowned Kinglet, 9; Water Pipit, 8; Cedar Waxwing, 11; Loggerhead Shrike, 1 (C.E.S.); Common Starling, 52; Myrtle Warbler, 723; Pine Warbler, 7; Palm Warbler (Yellow), 1; **Common Yellowthroat,** 14; House Sparrow, 90; Eastern Meadowlark, 24; Red-winged Blackbird, 599 (400 est., 199); Purple Grackle, 2; Brown-headed Cowbird, 43; Cardinal, 54; Purple Finch, 4; Am. Goldfinch, 84; Eastern Towhee, 49; Savannah Sparrow, 73; Sharp-tailed Sparrow, 1; Slate-colored Junco, 74; **Tree Sparrow,** 2 (R.J.B., F.C.R., F.R.S.); Chipping Sparrow, 5 (C.E.S.); Field Sparrow, 46; White-throated Sparrow, 292; Fox Sparrow, 25; Swamp Sparrow, 261; Song Sparrow, 156; **Snow Bunting,** 2 (W.F.M., C.E.S.). **Total,** 108 species; about 109,867 individuals.—Mr. and Mrs. R. J. Beasley, W. F. Minor, J. E. Perkins, F. C. Richardson, F. R. Scott, C. E. Stevens.

**144. Brooke, Va.** (triangular area with Brooke, Widewater, and mouth of Potomac Creek at the 3 apices; waterfront 20%, marsh 8%, open fields 15%, hedgerows 10%, mixed forest edge 30%, slash 7%, deciduous forest 7%, pine woods 3%).—Dec. 23; 7:30 a.m. to 5 p.m. Cloudy in a.m., fair in p.m.; temp. 24° to 37°; wind in p.m. only, SE, 1-15 m.p.h.; ground bare; tidal creeks partly frozen, Potomac River open. Five observers in 5 parties. Total party-hours, 35; total party-miles, 27 (all on foot). Horned Grebe, 7; Pied-billed Grebe, 3; Great Blue Heron, 15; Whistling Swan, 345; Canada Goose, 27; Mallard, 20; Black Duck, 205; Am. Widgeon, 200; Pintail, 5; Redhead, 11; Ring-necked Duck, 30; Canvas-back, 120; Lesser (?) Scaup, 25; Am. Golden-eye, 60; Buffle-head, 10; Old-squaw, 2; **Ruddy Duck,** 6500; Hooded Merganser, 4; Am. Merganser, 175; Red-breasted Merganser, 25; Turkey Vulture, 12; Black Vulture, 3; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-shouldered Hawk, 1; Bald Eagle, 6; Marsh Hawk, 3; Sparrow Hawk, 3; Bob-white, 55; Am. Coot, 45; Killdeer, 3; Wilson's Snipe, 2; Herring Gull, 200; Ring-billed Gull, 120; Mourning Dove, 70; Barred Owl, 1; Belted Kingfisher, 3; Yellow-shafted Flicker, 15; Pileated Woodpecker, 2; Red-bellied Woodpecker, 18; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 4; Hairy Woodpecker, 2; Downy Woodpecker, 35; Eastern Phoebe, 2; Blue Jay, 15; Am. Crow, 90; Fish Crow, 1; Carolina Chickadee, 65; Tufted Titmouse, 40; White-breasted Nuthatch, 6; Red-breasted Nuthatch, 2; Brown Creeper, 2; Carolina Wren, 50; Mockingbird, 20; Am. Robin, 12; Hermit Thrush, 6; Eastern Bluebird, 55; Golden-crowned Kinglet, 2; Ruby-crowned Kinglet, 2; Cedar Waxwing, 125; Loggerhead Shrike, 2; Common Starling, 385; Myrtle Warbler, 40; House Sparrow, 10; Eastern Meadowlark, 55; Red-winged Blackbird, 85; Purple Grackle, 1; Cardinal, 65; **Evening Grosbeak,** 100; Purple Finch, 5; Am. Goldfinch, 100; Savannah Sparrow, 4; Slate-colored Junco, 250; Am. Tree Sparrow, 90; Field Sparrow, 105; White-throated Sparrow, 150; Fox Sparrow, 1; Swamp Sparrow, 4; Song Sparrow, 100. **Total,** 80 species; about 10,442 individuals.—A. A. Baker, R. S. Cannon, Jr., Edwin T. McKnight (compiler), Thomas B. Nolan, W. W. Rubey.

**145. Charlottesville, Va.** (same area as last year except city reservoir, Whitehall, and woolen mills not covered; river-bottom 35%, farmland 25%, deciduous woods 20%, lakes and ponds 15%, pine woods 5%).—Dec. 22; 6:45 a.m. to 5:20 p.m. Fair; temp. 27° to 40°; wind SW, 10-35 m.p.h.; ground partly covered with 1-3 in. old snow; most ponds frozen.

Two observers in 2 parties, together part of p.m. Total party-hours, 19 (18 on foot, 1 by car); total party-miles, 56 (26 on foot, 30 by car). Mallard, 50; Black Duck, 21; Turkey Vulture, 27; Black Vulture, 11; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 4; Marsh Hawk, 1; Bob-white, 23 (2 coveys and a single); Wilson's Snipe, 1; Mourning Dove, 125; Belted Kingfisher, 1; Yellow-shafted Flicker, 7; Pileated Woodpecker, 3; Red-bellied Woodpecker, 9; Yellow-bellied Sapsucker, 6; Hairy Woodpecker, 1; Downy Woodpecker, 16; Eastern Phoebe, 1; Horned Lark, 298; Blue Jay, 12; Am. Crow, 226; Carolina Chickadee, 94; Tufted Titmouse, 30; White-breasted Nuthatch, 9; Red-breasted Nuthatch, 20; Brown Creeper, 7; Winter Wren, 3; Carolina Wren, 32; Mockingbird, 31; Am. Robin, 1; Hermit Thrush, 2; Eastern Bluebird, 27; Golden-crowned Kinglet, 43; Ruby-crowned Kinglet, 1; Loggerhead Shrike, 3; Common Starling, 165; Myrtle Warbler, 17; House Sparrow, 3; Eastern Meadowlark, 19; Rusty Blackbird, 1; Brown-headed Cowbird, 21; Cardinal, 144; Evening Grosbeak, 41; Purple Finch, 5; Am. Goldfinch, 46; Slate-colored Junco, 282; Am. Tree Sparrow, 9; Field Sparrow, 43; White-throated Sparrow, 124; Swamp Sparrow, 1; Song Sparrow, 73. **Total,** 52 species; 2142 individuals.—Charles E. Stevens, Jr., Robert J. Watson.

146. **Fort Belvoir, Va.** (Fort Belvoir military reservation, Accotink Bay, Gunston Cove, Dogue Creek, and that part of the Potomac River adjacent to the peninsula; water 30%, bottomland woods 30%, upland woods (¾ deciduous, ¼ pine) 20%, old fields 10%, farmland 5%, cattail marsh 3%, golf course and parade grounds 2%).—Dec. 23; 6:40 a.m. to 4:15 p.m. High overcast in a.m., clearing at noon; temp. 28° to 45°; no wind; ground bare and frozen in the open, thin snow and ice layer in woodlands; inlets partly frozen, river ice-free. Six observers in 1 party. Total party-hours, 9½ (7½ on foot, 2 by car); total party-miles, 36 (8 on foot, 28 by car). Horned Grebe, 1; Great Blue Heron, 3; Mallard, 1; Black Duck, 16; Lesser Scaup, 6; Buffle-head, 10; Ruddy Duck, 60; Am. Merganser, 47; Turkey Vulture, 13; Black Vulture, 1; Sharp-shinned Hawk, 1; Cooper's Hawk, 3; Red-tailed Hawk, 6; Red-shouldered Hawk, 4; Bald Eagle, 8; Marsh Hawk, 1; Bob-white, 32 (3 coveys); Killdeer, 10; Herring Gull, 5; Ring-billed Gull, 55; Mourning Dove, 11; Horned Owl, 1; Barred Owl, 1; Yellow-shafted Flicker, 12; Red-bellied Woodpecker, 8; Hairy Woodpecker, 5; Downy Woodpecker, 12; Horned Lark, 2 (Prairie); Blue Jay, 35; Am. Crow, 160; **Black-capped Chickadee,** 2 (with Carolina Chickadees; larger; noticeably more white in wing, distinctive call—E.J., G.S.); Carolina Chickadee, 37; Tufted Titmouse, 12; White-breasted Nuthatch, 11; Red-breasted Nuthatch, 5; Brown Creeper, 11; Winter Wren, 4; Carolina Wren, 16; Mockingbird, 18; Am. Robin, 2; Eastern Bluebird, 11; Golden-crowned Kinglet, 39; Cedar Waxwing, 30; Loggerhead Shrike, 1; Common Starling, 112; Myrtle Warbler, 12; House Sparrow, 90; Eastern Meadowlark, 74; Red-winged Blackbird, 23; Rusty Blackbird, 8; Cardinal, 20; Purple Finch, 8; Am. Goldfinch, 19; Eastern Towhee, 2; Slate-colored Junco, 202; Am. Tree Sparrow, 30; **Chipping Sparrow,** 1 (with House Sparrows and Juncos—J.M.A.); Field Sparrow, 12; White-throated Sparrow, 94; Song Sparrow, 31. **Total,** 60 species; 1467 individuals.—Frances E. Abbott, Jackson M. Abbott (compiler), Mr. and Mrs. Irwin C. Hoover, Enoch Johnson, Georg Sigel.

147. **Harrisonburg, Va.** (Waterman Wood to Tide Spring; oak-hickory-cedar-pine woodlot 60%, oak-hickory woodlot 10%, small village bordering college campus 10%, cedar-pine wasteland 5%, pasture fields and fence row 15%).—Dec. 24; 8:15 a.m. to 3:45 p.m. Clear; temp. 30° to 65°; wind, 1-2 m.p.h.; 2 to 4 in. of old ice and snow. Two observers in 1 party. Total party-hours, 7½ (6½ on foot, 1 by car); total party-miles, 27 (3 on foot, 24 by car). Turkey Vulture, 91; Red-tailed Hawk, 1; Sparrow Hawk, 1; Bob-white, 8; Yellow-shafted Flicker, 2; Pileated Woodpecker, 1; Red-bellied Woodpecker, 1; Downy Woodpecker, 4; Horned Lark, 25; Common Raven, 1; Am. Crow, 126; Carolina Chickadee, 24; Tufted Titmouse, 23; White-breasted Nuthatch, 11; Carolina Wren, 4; Mockingbird, 9; Eastern Bluebird, 3; Common Starling, 120; House Sparrow, 73; Cardinal, 14; Purple Finch, 1; Am. Goldfinch, 38; Slate-colored Junco, 82; Am. Tree Sparrow, 15; White-throated Sparrow, 11; Song Sparrow, 2. **Total,** 26 species; 691 individuals.—D. Ralph Hostetter (compiler), Daniel B. Suter.

148. **Lexington, Va.** (same as last year, with addition of lower slopes of White Rock Mountain).—Dec. 26; 8 a.m. to 5:30 p.m., less 30 minutes at noon. Heavy clouds in a.m., clear in p.m.; temp. 36° to 40°; wind W to N, 5-10 m.p.h.; ground partially covered with old snow; streams open. Twelve observers in 3 parties. Total party-hours, 27 (24 on foot, 3 by car); total party-miles, 84 (25 on foot, 59 by car). Mallard, 3; Black Duck, 1; Turkey Vulture, 60; Black Vulture, 22; Red-tailed Hawk, 2; Peregrine Falcon, 1; Sparrow Hawk, 9; Ruffed Grouse, 2; Bob-white, 62; Killdeer, 1; Wilson's Snipe, 5; Mourning Dove, 81; Long-eared Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 8; Pileated Woodpecker, 6; Red-bellied Woodpecker, 9; Yellow-bellied Sapsucker, 6; Hairy Woodpecker, 2; Downy Woodpecker, 17; Eastern Phoebe, 4; Horned Lark, 72; Blue Jay, 11; Common Raven, 2; Am. Crow, 269; Carolina Chickadee, 93; Tufted Titmouse, 28; White-breasted Nuthatch, 18; Red-breasted Nuthatch, 3; Brown Creeper, 5; Winter Wren, 4; Carolina Wren, 16; Mockingbird, 30; Am. Robin, 2; Eastern Bluebird, 35; Golden-crowned Kinglet, 23; Cedar Waxwing, 38, Loggerhead Shrike, 5; Common Starling, 466; Myrtle Warbler, 4; House Sparrow, 101; Eastern Meadowlark, 17; Cardinal, 136; Purple Finch, 16; Am. Goldfinch, 97; Slate-colored Junco, 204; Am. Tree Sparrow, 67; Field Sparrow, 32; White-throated Sparrow, 90; Song Sparrow, 30. **Total,** 50 species; 2217 individuals. (Seen in area Dec. 25: Evening Grosbeak, 25.)—R. P. Carroll, Alfred Conyne, Marie Byrne, J. J. Murray (compiler),

Mrs. J. J. Murray, Jan W. Owen, Robert O. Paxton, Paul M. Penick, Charles Ritchey, Malcolm Tenney, Joshua Womeldorf, F. M. Yellott.

**149. Lynchburg, Va.** (Timber Lake, College Lake, Airport, up Blackwater and Tomahawk Creeks to Graves' Mill, James River around Six Mile Bridge; river bottom 16%, grassy fields 10%, pine woods 13%, deciduous woods, upland and lowland 40%, cultivated fields 12%, brushy fields 9%).—Dec. 26; 7 a.m. to 5 p.m. Overcast to partly cloudy (cold front moving in); temp. 41° to 52°; wind SSW-WSW-NNW, 2-18 m.p.h.; ground mostly bare, 2-in. crusted snow in shaded areas; lakes mostly frozen over, streams open. Six observers in 2 parties. Total party-hours, 20 (16 on foot, 4 by car); total party-miles, 89 (21 on foot, 68 by car). Pied-billed Grebe, 1; Great Blue Heron, 1; Black Duck, 19; **Wood Duck,** 1; Am. Golden-eye, 2; **Buffle-head,** 3; Red-breasted Merganser, 1; Turkey Vulture, 11; Black Vulture, 1; Cooper's Hawk, 2; Sparrow Hawk, 2; Bob-white, 6; Mourning Dove, 8; Belted Kingfisher, 1; Yellow-shafted Flicker, 11; Pileated Woodpecker, 3; Red-bellied Woodpecker, 3; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 36; Eastern Phoebe, 6; Horned Lark, 20; Blue Jay, 6; Am. Crow, 296 (290 est.); **Fish Crow,** 2; Carolina Chickadee, 76; Tufted Titmouse, 64; White-breasted Nuthatch, 16; Red-breasted Nuthatch, 1; Brown Creeper, 2; Winter Wren, 2; Carolina Wren, 32; Mockingbird, 4; Brown Thrasher, 1; Hermit Thrush, 1; Eastern Bluebird, 19; Golden-crowned Kinglet, 14; Ruby-crowned Kinglet, 13; Cedar Waxwing, 69; Loggerhead Shrike, 1; Common Starling, 40; Myrtle Warbler, 32; House Sparrow, 10; Eastern Meadowlark, 8; Rusty Blackbird, 30; Cardinal, 77; Purple Finch, 1; Pine Siskin, 3; Am. Goldfinch, 22; **Vesper Sparrow,** 1 (M.B.T.); Slate-colored Junco, 149; Field Sparrow, 26; **White-crowned Sparrow,** 2; White-throated Sparrow, 37; Fox Sparrow, 1; Swamp Sparrow, 16; Song Sparrow, 59. **Total,** 57 species; about 1274 individuals. (Seen in area Dec. 24: Marsh Hawk, 1; Am. Robin, 5.)—Larry L. Farmer, Jane E. Freer, Ruskin S. Freer (compiler), Melvin A. Mitchell, Jr., Hugh A. Moore, M. B. Tillotson.

**150. Mt. Rogers, Va.** (area same as last year with addition of Whitetop Mountain; elevation range 4400 to 5719 ft.; deciduous forest 45%, grassy fields 35%, spruce-fir forest 20%).—Dec. 23; 7 a.m. to 5 p.m. Cloudy to clearing; temp. 25° to 36°; wind SW, 0-15 m.p.h.; depth of snow increasing from none in Elk Garden Gap to 6 in. on top; much ice on streams. Two observers in 2 parties. Total party-hours, 19¼ (all on foot); total party-miles, 22 (on foot). Red-tailed Hawk, 1; Ruffed Grouse, 7; Hairy Woodpecker, 2; Downy Woodpecker, 8; Blue Jay, 8; Common Raven, 4; Am. Crow, 3; chickadee (sp.), 11; Carolina Chickadee, 2; Tufted Titmouse, 21; White-breasted Nuthatch, 8; Red-breasted Nuthatch, 5; Brown Creeper, 1; Golden-crowned Kinglet, 2; Am. Goldfinch, 1; Slate-colored Junco, 23. **Total,** 15 species; 107 individuals.—Fred W. Behrend, Stephen M. Russell.

**151. Richmond, Va.** (same area as in previous years, Richmond southeast to Curles Neck; open farmland 45%, pine woodland 13%, deciduous woodland 23%, residential districts 3%, marshes and river shore 8%, brushy fields 8%).—Dec. 26; 6:30 a.m. to 5:30 p.m. Overcast, heavy rain and fog in forenoon; temp. 38° to 49°; wind SW to N, 4-11 m.p.h.; ground bare, water open. Five observers in 2 parties. Total party-hours, 21 (18 on foot, 3 by car); total party-miles, 88 (8 on foot, 80 by car). Great Blue Heron, 14; Canada Goose, 1900 (est.); Blue Goose, 1 (adult with Canadas—F.R.S.); Mallard, 14; Black Duck, 38; **Gadwall,** 8; Am. Widgeon, 30; Pintail, 20; Ring-necked Duck, 102; Am. Golden-eye, 3; Buffle-head, 19; Ruddy Duck, 10; Am. Merganser, 26; Turkey Vulture, 4; Black Vulture, 11; Red-tailed Hawk, 1; Red-shouldered Hawk, 3; Bald Eagle, 6; Marsh Hawk, 2; Sparrow Hawk, 10; Bob-white, 1; Am. Coot, 98; Killdeer, 1; Herring Gull, 5; Ring-billed Gull, 495; Mourning Dove, 72; Belted Kingfisher, 1; Yellow-shafted Flicker, 29; Pileated Woodpecker, 1; Red-bellied Woodpecker, 14; Yellow-bellied Sapsucker, 4; Hairy Woodpecker, 3; Downy Woodpecker, 18; Eastern Phoebe, 3; Horned Lark, 350 (250 **Northern,** 100 Prairie—est.); Blue Jay, 29; Am. Crow, 117; Carolina Chickadee, 55; Tufted Titmouse, 44; White-breasted Nuthatch, 8; Red-breasted Nuthatch, 10; **Brown-headed Nuthatch,** 2 (T.B., C.E.S.); Brown Creeper, 9; House Wren, 1 (C.E.S.); Winter Wren, 1; Carolina Wren, 58; Mockingbird, 34; Brown Thrasher, 1; Hermit Thrush, 6; Eastern Bluebird, 89; Golden-crowned Kinglet, 55; Ruby-crowned Kinglet, 11; Water Pipit, 50 (est.); Cedar Waxwing, 68; Loggerhead Shrike, 11; Common Starling, 226; Myrtle Warbler, 30; Pine Warbler, 11; Palm Warbler, 2 (1 Western, 1 Yellow); House Sparrow, 22; Eastern Meadowlark, 131; Red-winged Blackbird, 400 (est.); Cardinal, 133; Purple Finch, 9; Am. Goldfinch, 50; Eastern Towhee, 8; Savannah Sparrow, 11; Slate-colored Junco, 481; Chipping Sparrow, 2 (C.E.S., T.B.); Field Sparrow, 73; White-throated Sparrow, 399; Fox Sparrow, 1; Swamp Sparrow, 6; Song Sparrow, 81. **Total,** 74 species (2 additional subspecies); about 6052 individuals. (Seen in area Dec. 30: Red-headed Woodpecker, 1.)—T. Blair, Mrs. M. Coleman, F. R. Scott, C. E. Stevens, J. R. Sydnor.

**152. Shenandoah National Park, Va.** (same as last year, but Whiteoak Canyon Trail and Rapidan Road not covered this year).—Dec. 28; 7 a.m. to 5 p.m. Cloudy; temp. 15° to 33°; wind SE, 0-10 m.p.h.; ground bare on lower slopes, up to 4-in. crusted snow on ridge crest. Two observers in 1 and 2 parties. Total party-hours, 11 (8 on foot, 3 by car); total party-miles, 81 (5 on foot, 76 by car). Turkey Vulture, 19; Cooper's Hawk, 1; Red-tailed Hawk, 2; Ruffed Grouse, 6; Bob-white, 6; Yellow-shafted Flicker, 2; Red-bellied Woodpecker, 1; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 8; Blue Jay, 1; Common Raven, 1; Am. Crow, 18; Carolina Chickadee, 30; Tufted Titmouse, 13; White-breasted Nuthatch, 5; Red-breasted Nuthatch, 2; Carolina Wren, 8; Hermit Thrush, 5;

Eastern Bluebird, 22; Golden-crowned Kinglet, 21; Ruby-crowned Kinglet, 1; Common Starling, 48; Myrtle Warbler, 3; Cardinal, 27; **Evening Grosbeak,** 3 (P.G.F., J.E.L.—new Park record); Purple Finch, 48; **Pine Grosbeak,** 22 (J.E.L., P.G.F.—4th record in Park this winter); Am. Goldfinch, 58; Slate-colored Junco, 114; Am. Tree Sparrow, 15; Field Sparrow, 1 (with juncos at 3500 ft.—J.E.L.); White-throated Sparrow, 38. **Total,** 33 species; 551 individuals. (Seen in area during count period: Pileated Woodpecker, 1; Winter Wren, 1; Mockingbird, 1.) —Paul G. Favour, Jr. (compiler), James E. Liles.

**153. Warren (Albemarle Co.), Va.** (same area as last year plus section around Red Hill; open farmland 50%, river bottom 30%, deciduous woods 15%, pine woods 5%).—Dec. 23; 6:45 a.m. to 5:15 p.m. Partly cloudy; temp. 31° to 46°; wind SW in p.m., 5-10 m.p.h.; ground partly covered with 1-2 in. old snow. Two observers together in a.m., apart in p.m. Total party-hours, 15 (12 on foot, 3 by car); total party-miles, 66 (16 on foot, 50 by car). Mallard, 1; Am. Golden-eye, 1; Turkey Vulture, 33; Black Vulture, 40; Cooper's Hawk, 2; Red-tailed Hawk, 5; Marsh Hawk, 1; Sparrow Hawk, 3; Bob-white, 33 (3 coveys); Killdeer, 3; Mourning Dove, 30; Yellow-shafted Flicker, 9; Pileated Woodpecker, 3; Red-bellied Woodpecker, 7; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 4; Downy Woodpecker, 17; Eastern Phoebe, 5; Horned Lark, 256; Blue Jay, 18; Am. Crow, 184; Carolina Chickadee, 64; Tufted Titmouse, 38; White-breasted Nuthatch, 17; Red-breasted Nuthatch, 12; Brown Creeper, 14; Winter Wren, 1; Carolina Wren, 17; Mockingbird, 28; Am. Robin, 10; Hermit Thrush, 4; Eastern Bluebird, 123; Golden-crowned Kinglet, 68; Ruby-crowned Kinglet, 3; Water Pipit, 2; Cedar Waxwing, 110; Loggerhead Shrike, 7; Common Starling, 2825; Myrtle Warbler, 23; Pine Warbler, 1; House Sparrow, 71; Eastern Meadowlark, 103; Purple Grackle, 1; Brown-headed Cowbird, 1; Cardinal, 80; Evening Grosbeak, 8; Purple Finch, 75; Am. Goldfinch, 37; Savannah Sparrow, 1; Slate-colored Junco, 295; Am. Tree Sparrow, 33; Field Sparrow, 56; White-throated Sparrow, 104; Swamp Sparrow, 4; Song Sparrow, 77. **Total,** 55 species; 4970 individuals.—William F. Minor, Charles E. Stevens, Jr.

**154. Yorktown, Va.** (same area as in previous years; open farmland 20%, pine woodland 22%, deciduous woodland 18%, marshes and river shore 40%).—Dec. 28; 7:15 a.m. to 5:30 p.m. Partly cloudy; temp. 19°-38°; wind NW, 2-12 m.p.h.; ground bare, lakes partially frozen. Three observers in 2 parties. Total party-hours, 19 (17 on foot, 2 by car); total party-miles, 84 (9 on foot, 75 by car). Common Loon, 7; Red-throated Loon, 1; Horned Grebe, 149; Pied-billed Grebe, 56; Great Blue Heron, 21; Canada Goose, 179; Mallard, 6; Black Duck, 11; Gadwall, 36; Am. Widgeon, 167; Pintail, 66; Green-winged Teal, 1; Ring-necked Duck, 87; Canvas-back, 8; scaup (sp.), 249; Am. Golden-eye, 289; Bufflehead, 139; Old-squaw, 1; White-winged Scoter, 153; Surf Scoter, 1; Am. Scoter, 184; Ruddy Duck, 632; Hooded Merganser, 56; Am. Merganser, 200; Red-breasted Merganser, 17; Turkey Vulture, 44; Black Vulture, 19; Sharp-shinned Hawk, 2; Cooper's Hawk, 1; Red-tailed Hawk, 2; Red-shouldered Hawk, 4; Bald Eagle, 4; Marsh Hawk, 1; Sparrow Hawk, 7; Bob-white, 12; Clapper Rail, 3; Killdeer, 38; Wilson's Snipe, 30; Greater Yellow-legs, 4; Herring Gull, 26; Ring-billed Gull, 305; Bonaparte's Gull, 10; Mourning Dove, 3; Belted Kingfisher, 11; Yellow-shafted Flicker, 17; Pileated Woodpecker, 5; Red-bellied Woodpecker, 19; Yellow-bellied Sapsucker, 6; Hairy Woodpecker, 2; Downy Woodpecker, 19; Eastern Phoebe, 1; Horned Lark, 20; Blue Jay, 4; Am. Crow, 103; Carolina Chickadee, 57; Tufted Titmouse, 47; White-breasted Nuthatch, 7; Red-breasted Nuthatch, 4; Brown-headed Nuthatch, 5; Brown Creeper, 11; House Wren, 1; Winter Wren, 6; Carolina Wren, 64; Short-billed Marsh Wren, 3; Mockingbird, 21; Catbird, 1; Brown Thrasher, 2; Am. Robin, 155; Hermit Thrush, 13; Eastern Bluebird, 21; Golden-crowned Kinglet, 69; Ruby-crowned Kinglet, 17; Water Pipit, 18; Cedar Waxwing, 59; Common Starling, 286 (200 est., 86); Myrtle Warbler, 490; Pine Warbler, 5; House Sparrow, 14; Eastern Meadowlark, 105; Red-winged Blackbird, 921 (650 est., 271); Brown-headed Cowbird, 250 (est.); Cardinal, 95; Purple Finch, 8; Am. Goldfinch, 66; Eastern Towhee, 25; Savannah Sparrow, 39; **Grasshopper Sparrow,** 1 (all field marks, including characteristic shape of head, median stripe on head and yellowish bend of wing, carefully noted at close range—W.F.M., C.E.S.); Sharp-tailed Sparrow, 10; Slate-colored Junco, 377; Field Sparrow, 90; White-throated Sparrow, 254; Fox Sparrow, 15; Swamp Sparrow, 19; Song Sparrow, 94. **Total,** 94 species; about 7183 individuals.—W. F. Minor, F. R. Scott, C. E. Stevens.

**155. Chapel Hill, N. C.** (essentially same area as in last 21 years; lowland thickets and open farmlands 50%, oak-hickory woods 20%, pine woods 10%, marsh and lake shores 20%).—Dec. 23; 8:15 a.m. to 4:30 p.m. Clear; temp. 20° to 52°; no wind; lakes and ponds open. Sixteen observers in 9 parties. Total party-hours, 52 (46 on foot, 6 by car); total party-miles, 75 (25 on foot, 50 by car). Pied-billed Grebe, 3; Great Blue Heron, 3; Canada Goose, 2; Mallard, 12; Black Duck, 15; Redhead, 3; Ring-necked Duck, 2; Lesser Scaup, 8; Ruddy Duck, 13; Hooded Merganser, 5; Am. Merganser, 31; Turkey Vulture, 24; Black Vulture, 5; Red-tailed Hawk, 3; Red-shouldered Hawk, 3; Marsh Hawk, 3; Sparrow Hawk, 3; Bob-white, 26; Turkey, 1; Am. Coot, 40; Killdeer, 18; Wilson's Snipe, 2; Mourning Dove, 14; Horned Owl, 1; Barred Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 26; Pileated Woodpecker, 1; Red-bellied Woodpecker, 12; Red-headed Woodpecker, 6; Yellow-bellied Sapsucker, 7; Hairy Woodpecker, 7; Downy Woodpecker, 17; Eastern Phoebe, 7; Horned Lark, 9; Blue Jay, 37; Am. Crow, 100; Carolina Chickadee, 67; Tufted Titmouse, 30; White-breasted Nuthatch, 13; Red-breasted Nuthatch, 2; Brown-headed Nuthatch, 17; Brown Creeper, 2; Winter Wren, 2; Carolina Wren, 42; Mockingbird,

23; Catbird, 3; Brown Thrasher, 5; Hermit Thrush, 14; Eastern Bluebird, 75; Golden-crowned Kinglet, 4; Ruby-crowned Kinglet, 5; Water Pipit, 20; Cedar Waxwing, 23; Loggerhead Shrike, 4; Common Starling, 50; Myrtle Warbler, 25; Pine Warbler, 11; House Sparrow, 11; Eastern Meadowlark, 134; Red-winged Blackbird, 65; Baltimore Oriole, 2 (pair wintering here as in other recent years; seen daily at feeding stations); Cardinal, 120; Purple Finch, 80; Pine Siskin, 11; Am. Goldfinch, 34; Eastern Towhee, 42; Savannah Sparrow, 20; Slate-colored Junco, 340; Chipping Sparrow, 9; Field Sparrow, 8; White-throated Sparrow, 355; Fox Sparrow, 5; Swamp Sparrow, 12; Song Sparrow, 50. **Total,** 75 species; 2207 individuals.—Roy Brown, Coit Coker, Mrs. O. A. Hamilton, Joe Jones (compiler), Mr. and Mrs. R. P. Khaine, W. L. McAtee, Mrs. Allan Northend, Mark T. Orr, Mrs. W. D. Patterson, Emily Pollard, Reem Pollard, Phillips Russell, Bobby Thompson, Mr. and Mrs. Matt Thompson.

**156. Charlotte, N. C.** (area essentially the same as in last 9 years, substituting Morrison estate, Oakland cemetery and Beattie's Ford Rd., lake, for Freedom Park; pine, gum, cedar, poplar 40%, cleared 45%, hedgerows 10%, ponds 5%).—Dec. 29; 7 a.m. to 5 p.m. Cloudy, rain in p.m.; temp. 40° to 48°; wind S, 1-7 m.p.h. Sixteen observers in 6 parties. Total party-hours, 34 (20 on foot, 14 by car); total party-miles, 145 (31 on foot, 114 by car). Pied-billed Grebe, 1; Great Blue Heron, 1; Ring-necked Duck, 30; Lesser Scaup, 7; Ruddy Duck, 8; Hooded Merganser, 11; Red-tailed Hawk, 1; Marsh Hawk, 1; Bob-white, 47; Am. Coot, 10; Killdeer, 3; Mourning Dove, 7; Belted Kingfisher, 1; Yellow-shafted Flicker, 25; Red-bellied Woodpecker, 4; Red-headed Woodpecker, 4; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 3; Downy Woodpecker, 2; Eastern Phoebe, 3; Blue Jay, 46; Am. Crow, 123; Carolina Chickadee, 57; Tufted Titmouse, 20; White-breasted Nuthatch, 5; Carolina Wren, 18; Mockingbird, 32; Am. Robin, 104; Hermit Thrush, 1; Eastern Bluebird, 45; Golden-crowned Kinglet, 6; Ruby-crowned Kinglet, 1; Loggerhead Shrike, 6; Common Starling, 28; Myrtle Warbler, 24; Pine Warbler, 5; House Sparrow, 42; Eastern Meadowlark, 9; Red-winged Blackbird, 154; Purple Grackle, 4; Cardinal, 46; Purple Finch, 42; Pine Siskin, 6; Am. Goldfinch, 180; Eastern Towhee, 25; Slate-colored Junco, 187; Field Sparrow, 3; White-throated Sparrow, 143; Fox Sparrow, 1; Song Sparrow, 42. **Total,** 50 species; 1577 individuals. (Four Hooded Mergansers were at the same location Dec. 30.)—Dan Burroughs, Jr., B. R. Chamberlain (compiler), Mrs. B. R. Chamberlain, Norman A. Chamberlain, Mrs. Edwin O. Clarkson, Dick Crutchfield, H. L. Cushman, Joe Davenport, Clarkson Jones, Jane Little, Steve Mahaley, Brem Mayer, Mrs. George C. Potter, William Smith, Robert Joel Todd, John Yandle (Mecklenburg Audubon Club).

**157. Greensboro, N. C.** (centering ½-mile SW of transmitter of radio station WBIG; same regions as in 1950; deciduous and pine woods 25%, thickets 15%, fresh-water lakes and ponds 25%, open fields 15%, marsh and wooded swamps 10%, lawns and parks 10%).—Dec. 29; 7 a.m. to 5:30 p.m. Overcast; temp. 30° to 47°; wind SW, 0-6 m.p.h. Twenty-nine observers in 12 parties. Total party-hours, 85; total party-miles, 238 (61½ on foot, 176½ by car). Pied-billed Grebe, 5; Great Blue Heron, 5; Mallard, 10; Black Duck, 7; Am. Widgeon, 2; Wood Duck, 1; Ring-necked Duck, 37; Canvas-back, 1; Am. Golden-eye, 3; Hooded Merganser, 3; Turkey Vulture, 2; Sharp-shinned Hawk, 2; Red-tailed Hawk, 4; Red-shouldered Hawk, 7; Marsh Hawk, 5; Sparrow Hawk, 3; Bob-white, 39; Am. Coot, 1; Killdeer, 29 (albino in one flock of 11—G.A.S.); Mourning Dove, 82; Barred Owl, 1; Belted Kingfisher, 5; Yellow-shafted Flicker, 87; Pileated Woodpecker, 4; Red-bellied Woodpecker, 20; Red-headed Woodpecker, 11; Yellow-bellied Sapsucker, 14; Hairy Woodpecker, 13; Downy Woodpecker, 74; Eastern Phoebe, 11; Horned Lark, 186; Blue Jay, 153; Am. Crow, 310; Carolina Chickadee, 216; Tufted Titmouse, 171; White-breasted Nuthatch, 61; Red-breasted Nuthatch, 12; Brown-headed Nuthatch, 28; Brown Creeper, 11; Winter Wren, 4; Carolina Wren, 105; Mockingbird, 82; Am. Robin, 1; Hermit Thrush, 16; Eastern Bluebird, 191; Golden-crowned Kinglet, 34; Ruby-crowned Kinglet, 14; Water Pipit, 52; Cedar Waxwing, 406; Loggerhead Shrike, 15; Common Starling, 3397; Solitary Vireo, 1 (O.H.P.,Jr.); Myrtle Warbler, 96; Pine Warbler, 24; Common Yellowthroat, 1 (T.E.S.); House Sparrow, 311; Eastern Meadowlark, 122; Red-winged Blackbird, 171; Rusty Blackbird, 60; Purple Grackle, 17; Brown-headed Cowbird, 63; Cardinal, 200; Purple Finch, 33; Pine Siskin, 27; Am. Goldfinch, 164; Eastern Towhee, 94; Savannah Sparrow, 10; Slate-colored Junco, 1834; Chipping Sparrow, 1 (H.L.M.); Field Sparrow, 812; White-throated Sparrow, 778; Fox Sparrow, 9; Swamp Sparrow, 77; Song Sparrow, 590. **Total,** 74 species, 11,448 individuals.—Hollis J. Rogers, Larry Crawford, Wesley Taylor, Edith Settan, C. R. Lamb, Annabel Thompson, Etta Schiffman, Ann Locke, Evelyn Cole, Thomas E. Street, George A. Smith, James Furr, James Mattocks, Hal H. Strickland, Jr., Mrs. Floyd Hugh Craft, William Craft, C. H. McCall, Oscar H. Paris, Jr., John Carr, Mrs. W. C. Carr, Inez Coldwell, Ida Mitchell, Ethel McNairy, Margaret Y. Wall, Mr. and Mrs. George Perrett, Mr. and Mrs. Hugh L. Medford, John A. McLeod, Jr. (compiler).

**158. Greenville, N. C.** (East Carolina College campus and radius of 6 miles E. along Tar River to Port Terminal and Greenwood Cemetery, N to House and Airport, and NW to Belvoir; low woods and cypress swamp 15%, open farmland 40%, stream and river banks 5%, mixed hardwood and pine 30%, lawns and shrubbery 10%).—Dec. 27; 8:30 a.m. to 5:30 p.m. Partly cloudy to clear; temp. 31° to 43°; wind N, 15 m.p.h. Four observers in 3 parties (2 of these restricted to residential area). Total party-hours, 14 (12 on foot and bicycle, 2 by car); total party-miles, 42 (7 on foot, 20 by bicycle, 15 by car). Turkey Vulture, 2; Sharp-shinned Hawk, 1; Sparrow Hawk, 1; Bob-white, 2; Killdeer, 8; Mourn-

ing Dove, 41; Yellow-shafted Flicker, 3; Red-bellied Woodpecker, 2; Yellow-bellied Sapsucker, 2; Downy Woodpecker, 1; Blue Jay, 6; Am. Crow, 8; Carolina Chickadee, 4; Tufted Titmouse, 6; Carolina Wren, 12; Mockingbird, 10; Brown Thrasher, 1; Am. Robin, 25; Hermit Thrush, 1; Eastern Bluebird, 1; Ruby-crowned Kinglet, 1; Loggerhead Shrike, 4; Common Starling, 11; Myrtle Warbler, 19; Pine Warbler, 2; House Sparrow, 27; Eastern Meadowlark, 14; Cardinal, 14; Purple Finch, 1; Am. Goldfinch, 2; Eastern Towhee, 8; Slate-colored Junco, 29; Field Sparrow, 33; White-throated Sparrow, 72; Song Sparrow, 9. **Total,** 35 species; 383 individuals. (Seen Dec. 28 at Walkers': Baltimore Oriole male, full plumage; Dec. 30: Am. Robin, 450.)—Dr. and Mrs. B. McK. Johnson, Mrs. T. Y. Walker, Harold C. Jones (compiler, Greenville Natural Science Club).

**159. Mattamuskeet National Wildlife Refuge, New Holland, N. C.** (same area as in 1940 and subsequent counts; Refuge and adjacent woods and fields including public road across lake).—Dec. 28; 6:45 a.m. to 5:15 p.m. Clear; temp. 29° to 54°; wind N, 2 m.p.h. Four observers in 1 party. Total party-hours, 11 (2 on foot, 9 by car); total party-miles, 48 (4 on foot, 44 by car). Pied-billed Grebe, 3; Double-crested Cormorant, 1; Great Blue Heron, 11; Am. Egret, 13; Little Blue Heron, 4; Black-crowned Night Heron, 2; Whistling Swan, 1500; Canada Goose, 18,000; Mallard, 48; Black Duck, 600; Gadwall, 1; Am. Widgeon, 3; Pintail, 2500; Green-winged Teal, 27; Shoveller, 3; Canvas-back, 2; Lesser Scaup, 10; Ruddy Duck, 350; Hooded Merganser, 4; Turkey Vulture, 26; Black Vulture, 22; Sharp-shinned Hawk, 1; Red-tailed Hawk, 2; Red-shouldered Hawk, 1; Bald Eagle, 4; Marsh Hawk, 6; Sparrow Hawk, 15; King Rail, 1; Sora, 2; Am. Coot, 24; Killdeer, 2; Greater Yellow-legs, 1; Herring Gull, 7; Ring-billed Gull, 14; Bonaparte's Gull, 2; Belted Kingfisher, 3; Yellow-shafted Flicker, 9; Red-bellied Woodpecker, 2; Yellow-bellied Sapsucker, 2; Eastern Phoebe, 4; Tree Swallow, 450; Am. Crow, 28; Carolina Chickadee, 3; Tufted Titmouse, 2; White-breasted Nuthatch, 1; Carolina Wren, 3; Short-billed Marsh Wren, 1; Mockingbird, 14; Catbird, 4; Brown Thrasher, 2; Am. Robin, 18; Hermit Thrush, 2; Golden-crowned Kinglet, 1; Water Pipit, 2; Cedar Waxwing, 16; Loggerhead Shrike, 1; Common Starling, 225; Myrtle Warbler, 650; Common Yellowthroat, 2; House Sparrow, 160; Eastern Meadowlark, 19; Red-winged Blackbird, 11,200; Purple Grackle, 45; Brown-headed Cowbird, 34; Cardinal, 12; Purple Finch, 3; Am. Goldfinch, 5; Eastern Towhee, 4; Savannah Sparrow, 1; Field Sparrow, 18; White-throated Sparrow, 75; Fox Sparrow, 6; Swamp Sparrow, 4; Song Sparrow, 70. **Total,** 74 species; about 36,313 individuals. Larger flocks estimated. Over a million pounds of carp and other coarse fish have been removed from lake, thus cutting down turbidity so aquatic plants can grow. Has brought in thousands more ducks than ever before.—W. G. Cahoon (Refuge Mgr.), *Ray Evans, V. T. Lapham, *R. L. Wolff (*Carolina Bird Club).

**160. Mount Olive, N. C.** (Wooten, Williams, and Brandon farms, Williams' and Jones' Mill Ponds; open fields 50%, pine woods 10%, mixed pine and deciduous woods 35%, small ponds 5%).—Dec. 30; 6:30 a.m. to 5 p.m. Overcast all a.m., clear in p.m.; temp. 50° to 60°; wind S, 3-5 m.p.h. Two observers in 2 parties. Total hours, 15; total miles, 35 (10 on foot, 25 by car). Pied-billed Grebe, 2; Wood Duck, 3; Black Duck, 1; Am. Golden-eye, 1; Black Vulture, 1; Red-shouldered Hawk, 3; Marsh Hawk, 1; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Sparrow Hawk, 7; Bob-white, 12; Killdeer, 18; Wilson's Snipe, 1; Mourning Dove, 144; Horned Owl, 2; Belted Kingfisher, 1; Yellow-shafted Flicker, 36; Red-bellied Woodpecker, 5; Yellow-bellied Sapsucker, 7; Hairy Woodpecker, 2; Downy Woodpecker, 5; Red-cockaded Woodpecker, 4; Eastern Phoebe, 8; Blue Jay, 10; Am. Crow, 47; Carolina Chickadee, 10; Tufted Titmouse, 5; White-breasted Nuthatch, 2; Red-breasted Nuthatch, 1; Brown-headed Nuthatch, 7; Brown Creeper, 1; House Wren, 6; Winter Wren, 5; Carolina Wren, 24; Mockingbird, 15; Catbird, 3; Brown Thrasher, 8; Am. Robin, 85; Hermit Thrush, 30; Eastern Bluebird, 38; Golden-crowned Kinglet, 15; Ruby-crowned Kinglet, 16; Water Pipit, 40; Loggerhead Shrike, 13; Common Starling, 32; Myrtle Warbler, 120; Pine Warbler, 5; Palm Warbler, 1; House Sparrow, 300 (est.); Eastern Meadowlark, 49; Red-winged Blackbird, 350 (partly est.); Rusty Blackbird, 17; Brown-headed Cowbird, 11; Cardinal, 35; Am. Goldfinch, 95; Eastern Towhee, 43; Savannah Sparrow, 52; Vesper Sparrow, 3; Pine-woods Sparrow, 1; Slate-colored Junco, 200 (partly est.); Chipping Sparrow, 14; Field Sparrow, 84; White-throated Sparrow, 180; Fox Sparrow, 12; Swamp Sparrow, 10; Song Sparrow, 250 (partly est.). **Total,** 66 species; about 2511 individuals. (Turkey Vulture, Red-tailed Hawk, Cedar Waxwing, Common Yellowthroat, and Purple Finch seen during past week. The tremendous decrease in Red-wings seems to be the most significant feature of this year's count here.)—Bob Holmes III, R. P. Holmes.

**161. Raleigh, N. C.** (same area as previous counts: lakes and small ponds 40%, mixed pine and deciduous woodland 15%, deciduous woodland 10%, open fields 10%) [Total only 75% as in 3 previous years—Ed.].—Dec. 22; 7:30 a.m. to 5:30 p.m. Partially cloudy most of day; temp. 34° to 45°; wind 10-15 m.p.h.; ground bare, water open. Ten observers in 7 parties. Total party-hours, 31 (27 on foot, 4 by car); total party-miles, 57 (27 on foot, 30 by car). Pied-billed Grebe, 2; Black Duck, 2; Gadwall, 2; Am. Widgeon, 19; Ring-necked Duck, 20; Lesser Scaup, 6; Ruddy Duck, 8; Turkey Vulture, 5; Cooper's Hawk, 1; Red-tailed Hawk, 2; Red-shouldered Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 1; Bob-white, 3; Killdeer, 4; Mourning Dove, 4; Belted Kingfisher, 4; Yellow-shafted Flicker, 33; Red-bellied Woodpecker, 5; Red-headed Woodpecker, 11; Yellow-bellied Sapsucker, 4; Hairy Woodpecker, 2; Downy Woodpecker, 10; Eastern Phoebe, 4; Blue Jay, 40; Am. Crow, 23; Carolina Chickadee, 57; Tufted Titmouse, 23; White-breasted Nuthatch, 8;

Brown Creeper, 3; Winter Wren, 2; Carolina Wren, 24; Bewick's Wren, 2; Mockingbird, 28; Brown Thrasher, 4; Am. Robin, 1; Hermit Thrush, 3; Eastern Bluebird, 42; Golden-crowned Kinglet, 5; Ruby-crowned Kinglet, 13; Cedar Waxwing, 63; Loggerhead Shrike, 6; Common Starling, 158; Myrtle Warbler, 24; Pine Warbler, 8; House Sparrow, 24; Eastern Meadowlark, 26; Cardinal, 46; Purple Finch, 7; Common Redpoll, 2 (C.H G.—for details see *The Chat* 16 [1]: 16); Pine Siskin, 12; Am. Goldfinch, 59; Eastern Towhee, 40; Savannah Sparrow, 9; Vesper Sparrow, 2; Slate-colored Junco, 544; Field Sparrow, 46; White-throated Sparrow, 195; Swamp Sparrow, 5; Song Sparrow, 56. **Total,** 60 species; 1764 individuals.—Mrs. C. H. Green, James F. Greene, W. L. Hamnett, J. W. Johnson, Robert Overing, Virginia Pickelle, E. W. Winkler and Johnny, D. L. Wray (compiler), Ethel Wray.

**162. Statesville (Iredell Co.), N. C.** (same locality as previous count except in a north and northeast direction instead of west and east; town and suburbs 10%, mixed woodlands 20%, open farmlands 35%, stream banks and marsh 5%, pine woods 30%).—Dec. 27; 8 a.m. to 5:30 p.m. Clear; temp. 27° to 45°; wind NE, 25 m.p.h.; ground partly frozen and muddy. Seven observers in 3 parties. Total party-hours, 13 (8 on foot, 5 by car); total party-miles, 90 (10 on foot, 80 by car). Great Blue Heron, 1; Turkey Vulture, 18; Black Vulture, 3; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 3; Red-shouldered Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 1; Bob-white, 2; Killdeer, 50; Mourning Dove, 51; Yellow-shafted Flicker, 13; Red-bellied Woodpecker, 8; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 7; Hairy Woodpecker, 5; Downy Woodpecker, 4; Eastern Phoebe, 3; Horned Lark, 40; Blue Jay, 30; Am. Crow, 36; Carolina Chickadee, 30; Tufted Titmouse, 50; White-breasted Nuthatch, 11; Carolina Wren, 9; Mockingbird, 21; Brown Thrasher, 5; Am. Robin, 1; Hermit Thrush, 2; Eastern Bluebird, 100; Ruby-crowned Kinglet, 1; Water Pipit, 175; Cedar Waxwing, 16; Loggerhead Shrike, 11; Common Starling, 150; Myrtle Warbler, 2; House Sparrow, 45; Eastern Meadowlark, 370; Cardinal, 75; Purple Finch, 5; Am. Goldfinch, 60; Eastern Towhee, 27; Slate-colored Junco, 100; Chipping Sparrow, 1; Field Sparrow, 50; White-throated Sparrow, 200; Swamp Sparrow, 1; Song Sparrow, 15. **Total,** 49 species; 1814 individuals.—J. C. Crawford, Jane and Nancy Eliason, John H. Gray, III, Mary Jean Grose, Sarah M. Nooe (compiler), W. G. Tempelton.

**163. Wilmington, N. C.** (same as last year).—Dec. 27; 7 a.m. to 5 p.m. Misty—clearing later; temp. 29° to 45°; wind N, 13-24 m.p.h. Fourteen observers in 6 parties. Total party-hours, 51 (23½ on foot, 25½ by car, 2 by boat); total party-miles, 195 (30 on foot, 164 by car, 1 by boat). Common Loon, 43; Red-throated Loon, 21; Horned Grebe, 52; Pied-billed Grebe, 41; Brown Pelican, 2; Gannet, 166; Double-crested Cormorant, 9; Great Blue Heron, 21; Am. Egret, 10; Snowy Egret, 13; Louisiana Heron, 22; Little Blue Heron, 16; Black-crowned Night Heron, 1; Canada Goose, 74; Mallard, 27; Black Duck, 10; Gadwall, 27; European Widgeon, 1; Am. Widgeon, 127; Pintail, 46; Green-winged Teal, 90; Wood Duck, 19; Redhead, 10; Ring-necked Duck, 36; Canvas-back, 309; Greater Scaup, 12; Lesser Scaup, 13; Am. Golden-eye, 6; Buffle-head, 59; Old-squaw, 1; White-winged Scoter, 1; Am. Scoter, 11; Ruddy Duck, 30; Hooded Merganser, 50; Red-breasted Merganser, 150; Turkey Vulture, 6; Black Vulture, 5; Sharp-shinned Hawk, 1; Cooper's Hawk, 3; Red-tailed Hawk, 3; Red-shouldered Hawk, 9; Bald Eagle, 9; Marsh Hawk, 19; Osprey, 2; Pigeon Hawk, 1 (Holmes); Sparrow Hawk, 27; Bob-white, 7; King Rail, 1; Clapper Rail, 7; Am. Coot, 926; Am. Oyster-catcher, 13; Piping Plover, 6; Ringed Plover, 20; Killdeer, 134; Black-bellied Plover, 56; Wilson's Snipe, 20; Greater Yellow-legs, 20; Lesser Yellow-legs, 5; Purple Sandpiper, 3; Least Sandpiper, 4; Red-backed Sandpiper, 392; Dowitcher, 2; Semipalmated Sandpiper, 62; Western Sandpiper, 2; Sanderling, 55; Great Black-backed Gull, 3 (Mebane); Herring Gull, 4250 (est.); Ring-billed Gull, 2950 (est.); Laughing Gull, 7; Bonaparte's Gull, 7; Forster's Tern, 29; Common Tern, 1; Royal Tern, 1; Caspian Tern, 39; Black Skimmer, 311; Mourning Dove, 185; Belted Kingfisher, 22; Yellow-shafted Flicker, 56; Red-bellied Woodpecker, 20; Red-headed Woodpecker, 4; Yellow-bellied Sapsucker, 10; Hairy Woodpecker, 4; Downy Woodpecker, 17; Red-cockaded Woodpecker, 17; Eastern Phoebe, 12; Tree Swallow, 30; Blue Jay, 125; Am. Crow, 79; Fish Crow, 278; Carolina Chickadee, 73; Tufted Titmouse, 105; Red-breasted Nuthatch, 2; Brown-headed Nuthatch, 66; House Wren, 3; Winter Wren, 26; Carolina Wren, 47; Mockingbird, 55; Catbird, 6; Brown Thrasher, 17; Am. Robin, 215; Hermit Thrush, 12; Eastern Bluebird, 122; Blue-gray Gnatcatcher, 5; Golden-crowned Kinglet, 10; Ruby-crowned Kinglet, 12; Water Pipit, 251; Cedar Waxwing, 25; Loggerhead Shrike, 35; Common Starling, 260; Solitary Vireo, 2; Orange-crowned Warbler, 1; Myrtle Warbler, 279; Pine Warbler, 28; Palm Warbler, 12; Common Yellow-throat, 7; House Sparrow, 247; Eastern Meadowlark, 429; Red-winged Blackbird, 2200 (est.); Rusty Blackbird, 9; Boat-tailed Grackle, 27; Purple Grackle, 11; Brown-headed Cowbird, 150; Cardinal, 35; **Painted Bunting,** 1 (collected by Holmes); Purple Finch, 34; Am. Goldfinch, 27; Eastern Towhee, 74; Ipswich Sparrow, 1; Savannah Sparrow, 142; Henslow's Sparrow, 3; Sharp-tailed Sparrow, 3; Seaside Sparrow, 17; Vesper Sparrow, 8; Pine-woods Sparrow, 1; Slate-colored Junco, 186; Chipping Sparrow, 121; Field Sparrow, 125; White-throated Sparrow, 380; Fox Sparrow, 6; Swamp Sparrow, 29; Song Sparrow, 98. **Total,** 141 species; about 17,843 individuals. (Seen in area just before and after count: ♀ Baltimore Oriole, Spotted Sandpiper, Florida Gallinule, Whip-poor-will, Long-billed Marsh Wren.)—Cecil Appleberry, Edna Appleberry (compiler), Mary Baker, Clifford Comeau, Bob Holmes III, Polly Mebane, Claude McAllister, Nadine Murray, Harold Olsen, Oscar Paris, Lois Stroud, William D. Stroud, Julia Theobald, Mary Urich (Wilmington Natural Science Club).

164. **Windom, N. C.** (same territory as last year with 4 miles of the village added).—Dec. 29; 8 a.m. to 5 p.m. Cloudy; temp. 30° to 45°; no wind; ground bare. Four observers in 2 parties. Total party-hours, 16 (8 by car, 8 on foot); total party-miles, 35 (15 on foot, 20 by car). Cooper's Hawk, 1; Sparrow Hawk, 1; Bob-white, 10; Wilson's Snipe, 3; Mourning Dove, 1; Screech Owl, 1; Belted Kingfisher, 1; Downy Woodpecker, 1; Blue Jay, 25; Am. Crow, 248; Black-capped Chickadee, 14; Tufted Titmouse, 35; Carolina Wren, 3; Mockingbird, 1; Eastern Bluebird, 10; Golden-crowned Kinglet, 8; Common Starling, 70; House Sparrow, 106; Cardinal, 45; Am. Goldfinch, 8; Eastern Towhee, 1; Carolina Junco, 64; Field Sparrow, 20; White-throated Sparrow, 3; Fox Sparrow, 10; Song Sparrow, 11. **Total,** 26 species; 701 individuals.—Wiley Blevins, Paul Hughes, James Hutchins (compiler), Wade Styles.

165. **Winston-Salem, N. C.** (same as last year).—Dec. 22; 7 a.m. to 6 p.m. Clear; temp. 30° to 46°; wind W, 10-15 m.p.h. Eleven observers in 5 parties. Total party-hours, 41 (37 on foot, 4 by car); total party-miles, 125 (35 on foot, 90 by car). Pied-billed Grebe, 1; Great Blue Heron, 2; Canada Goose, 220; Mallard, 31; Black Duck, 23; Pintail, 2; Green-winged Teal, 4; Ring-necked Duck, 8; Canvas-back, 1; scaup (sp.), 20; Buffle-head, 4; Ruddy Duck, 2; Am. Merganser, 4; Turkey Vulture, 13; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 3; Bob-white, 46; Killdeer, 4; Mourning Dove, 17; Barred Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 16; Red-bellied Woodpecker, 4; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 5; Hairy Woodpecker, 7; Downy Woodpecker, 26; Eastern Phoebe, 6; Blue Jay, 29; Am. Crow, 59; Carolina Chickadee, 66; Tufted Titmouse, 44; White-breasted Nuthatch, 23; Red-breasted Nuthatch, 6; Brown Creeper, 4; Carolina Wren, 17; Mockingbird, 32; Am. Robin, 3; Hermit Thrush, 13; Eastern Bluebird, 61; Golden-crowned Kinglet, 49; Ruby-crowned Kinglet, 46; Cedar Waxwing, 19; Loggerhead Shrike, 4; Common Starling, 770 (est.); Myrtle Warbler, 26; Pine Warbler, 4; House Sparrow, 27; Eastern Meadowlark, 18; Purple Grackle, 200 (est.); Cardinal, 68; Purple Finch, 18; Am. Goldfinch, 39; Eastern Towhee, 22; Savannah Sparrow, 3; Slate-colored Junco, 238; Field Sparrow, 136; White-throated Sparrow, 102; Song Sparrow, 98. **Total,** 62 species; 2721 individuals. (Seen in area Dec. 20: Fox Sparrow, 2.)—William Campbell, Wayne Irvin, H. M. Magie, Dr. Alfred Mordecai, Robert Perkins, Dr. and Mrs. Thos. W. Simpson, Jas. L. Stephenson, R. N. White, R. H. Witherington, Mrs. W. R. Wyatt (Winston-Salem Bird Club).

166. **Aiken, S. C.** (6-mile radius centering on the Aiken post office, including parts of the Hitchcock woods and the Aiken training track; mixed pine and hardwood forests 35%, town suburbs 20%, pasture and plowed fields 15%, burned-out area of woods 15%, swampy woodlands and two small fresh-water ponds 15%).—Dec. 23; dawn to 6 p.m. Clear most of day; temp. 26° to 61°; wind E, less than 2 m.p.h.; ground frozen in early morning, damp most of the day. One observer. Total hours, 10½ (on foot); total miles, 13½ (on foot). Cooper's Hawk, 1; Red-tailed Hawk, 1; Sparrow Hawk, 2; **Killdeer,** 280 (partly est., many times more abundant than in former years); Mourning Dove, 1; Yellow-shafted Flicker, 11; Red-bellied Woodpecker, 2; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 1; Downy Woodpecker 1; Eastern Phoebe, 2; Blue Jay, 27; Am. Crow, 4; Carolina Chickadee, 1; Tufted Titmouse, 1; Brown-headed Nuthatch, 17; Brown Creeper, 1; Carolina Wren, 2; Mockingbird, 4; Brown Thrasher, 5; Am. Robin, 8; Hermit Thrush, 2; Eastern Bluebird, 34; Golden-crowned Kinglet, 3; Ruby-crowned Kinglet, 9; Cedar Waxwing, 43; Loggerhead Shrike, 1; Common Starling, 31; **Solitary Vireo,** 1 (attracted by squeaking and identified by 8-power binoculars within 7 yards); Myrtle Warbler, 12; Pine Warbler, 23; Palm Warbler, 2; House Sparrow, 18; Eastern Meadowlark, 58; Rusty Blackbird, 19; Purple Grackle, 1; Cardinal, 9; Purple Finch, 3; Am. Goldfinch, 19; Eastern Towhee, 10; Savannah Sparrow, 1; Slate-colored Junco, 62; Field Sparrow, 1; White-throated Sparrow, 68; Song Sparrow, 19. **Total,** 45 species; about 823 individuals.—William Post, Jr.

167. **Charleston, S. C.** (area same as in previous years).—Dec. 28; 7 a.m. to 6 p.m. Partly cloudy; temp. 32° to 55°; wind NE, 25-35 m.p.h. Twenty observers in 5 parties. Total party-hours, 50 (34 on foot, 14 by car, 2 by boat); total party-miles, 175 (22 on foot, 148 by car, 5 by boat). Common Loon, 3; Horned Grebe, 42; Pied-billed Grebe, 12; Double-crested Cormorant, 56; Great Blue Heron, 9; Am. Egret, 1; Snowy Egret, 16; Louisiana Heron, 9; Little Blue Heron, 25; Black-crowned Night Heron, 8; Mallard, 61; Black Duck, 91; Gadwall, 129; Am. Widgeon, 27; Pintail, 47; Green-winged Teal, 5; Blue-winged Teal, 13; Shoveller, 43; Wood Duck, 3; Ring-necked Duck, 2; Canvas-back, 166; scaup (sp.), 71; Am. Golden-eye, 8; Buffle-head, 47; White-winged Scoter, 1; Am. Scoter, 6; Ruddy Duck, 12; Hooded Merganser, 5; Red-breasted Merganser, 98; Turkey Vulture, 41; Black Vulture, 13; Sharp-shinned Hawk, 2; Cooper's Hawk, 1; Red-tailed Hawk, 1; Red-shouldered Hawk, 4; Bald Eagle, 12; Marsh Hawk, 6; Osprey, 1; Sparrow Hawk, 5; Bob-white, 20; Turkey, 20; Clapper Rail, 4; Florida Gallinule, 1; Am. Coot, 72; Am. Oyster-catcher, 61; Ringed Plover, 27; Killdeer, 1; Black-bellied Plover, 13; Ruddy Turnstone, 5; Willet, 15; Greater Yellow-legs, 8; Lesser Yellow-legs, 13; Least Sandpiper, 5; Red-backed Sandpiper, 11; Dowitcher, 50; Semi-palmated Sandpiper, 1; Western Sandpiper, 15; Marbled Godwit, 3; Sanderling, 9; Herring Gull, 18; Ring-billed Gull, 41; Bonaparte's Gull, 6; Forster's Tern, 4; Caspian Tern, 1; Mourning Dove, 36; Horned Owl, 1; Belted Kingfisher, 4; Yellow-shafted Flicker, 16; Pileated Woodpecker, 8; Red-bellied Woodpecker, 31; Yellow-bellied Sapsucker, 13; Hairy Woodpecker, 1; Downy Woodpecker, 20; Red-cockaded Woodpecker, 1; Eastern Phoebe, 14; Tree Swallow, 38; Blue Jay, 18; Am. Crow, 19; Fish Crow,

78; Carolina Chickadee, 49; Tufted Titmouse, 24; White-breasted Nuthatch, 10; Brown-headed Nuthatch, 27; House Wren, 16; Carolina Wren, 22; Short-billed Marsh Wren, 3; Mockingbird, 14; Catbird, 2; Brown Thrasher, 6; Am. Robin, 102; Hermit Thrush, 5; Eastern Bluebird, 42; Golden-crowned Kinglet, 2; Ruby-crowned Kinglet, 49; Water Pipit, 26; Loggerhead Shrike, 6; White-eyed Vireo, 2; Solitary Vireo, 3; Orange-crowned Warbler, 3; Myrtle Warbler, 435; Pine Warbler, 32; Palm Warbler, 22; Common Yellowthroat, 3; Eastern Meadowlark, 102; Red-winged Blackbird, 240; Rusty Blackbird, 7; Boat-tailed Grackle, 20; Cardinal, 25; Purple Finch, 2; Am. Goldfinch, 69; Eastern Towhee, 70 (Red-eyed, 68; White-eyed, 2); Ipswich Sparrow, 2; Savannah Sparrow, 23; Henslow's Sparrow, 7; Sharp-tailed Sparrow, 6; Vesper Sparrow, 6; Pine-woods Sparrow, 1; Slate-colored Junco, 60; Chipping Sparrow, 20; Field Sparrow, 35; White-throated Sparrow, 183; Swamp Sparrow, 70; Song Sparrow, 100. **Total,** 123 species (1 additional subspecies); 3777 individuals.—R. M. Barnett, Jr., R. D. Edwards, H. W. Freeman, Miss Grostein, Anna Hallock, Julian Harrison, I. S. H. Metcalf, I. H. Metcalf, Joseph Moffet, James E. Mosimann, Louis Parker, Jr., John Quinby, George Rabb, W. C. Rose, N. H. Seebeck, Jr. (compiler), Alexander Sprunt, Jr., Alexander Sprunt IV, Thomas Uzzell, Jr., Ellison Williams, Miss Yates.

**168. Columbia, S. C.** (7½-mile radius centering on the State House and including cities of Columbia and West Columbia, Arcadia, Ardincaple, Forest Lake, Ridgewood in Richland Co., Horseshoe Lake, properties of P. B. Hendrix and E. G. Bumgardner and others in Lexington Co.; deciduous river swamps 35%, pine woods 24%, open fields 26%, lake and river shore 10%, urban 5%).—Dec. 27; 7 a.m. to 5 p.m. Clear; temp. 35° to 50°; wind NE, gusts 8-10 m.p.h. Seven observers in 3 parties. Total party-hours, 41 (26 on foot, 15 by car); total party-miles, 301 (35 on foot, 266 by car). Pied-billed Grebe, 8; Great Blue Heron, 1; Ring-necked Duck, 13; Turkey Vulture, 2; Black Vulture, 60; Red-tailed Hawk, 2; Marsh Hawk, 3; Peregrine Falcon, 1; Sparrow Hawk, 11; Am. Coot, 53; Killdeer, 6; Ring-billed Gull, 35; Mourning Dove, 18; Belted Kingfisher, 2; Yellow-shafted Flicker, 25; Red-bellied Woodpecker, 4; Yellow-bellied Sapsucker, 9; Hairy Woodpecker, 2; Downy Woodpecker, 10; Eastern Phoebe, 13; Blue Jay, 34; Am. Crow, 42; Carolina Chickadee, 38; Tufted Titmouse, 23; White-breasted Nuthatch, 3; Brown-headed Nuthatch, 4; Brown Creeper, 3; Winter Wren, 5; Carolina Wren, 27; Short-billed Marsh Wren, 2; Mockingbird, 17; Catbird, 2; Brown Thrasher, 3; Am. Robin, 157; Hermit Thrush, 11; Eastern Bluebird, 76; Golden-crowned Kinglet, 24; Ruby-crowned Kinglet, 44; Cedar Waxwing, 54; Loggerhead Shrike, 13; Common Starling, 318; Myrtle Warbler, 18; Pine Warbler, 28; House Sparrow, 102; Eastern Meadowlark, 48; Red-winged Blackbird, 200; Rusty Blackbird, 5; Purple Grackle, 1869; Brown-headed Cowbird, 51; Cardinal, 72; Purple Finch, 4; Am. Goldfinch, 54; Eastern Towhee, 51; Slate-colored Junco, 197; Chipping Sparrow, 133; Field Sparrow, 172; White-throated Sparrow, 178; Song Sparrow, 63. **Total,** 58 species; 4423 individuals.—Gilbert Bristow (compiler), Mrs. Clyde Sisson, Mr. and Mrs. P. B. Hendrix, Mr. James Fowles, Jr., Mr. David Monteith, Jr., and Mr. Hardy Oliver (Columbia Bird Club).

**169. Eastover, S. C.** (same as last year).—Dec. 30; 7:30 a.m. to 5 p.m. Cloudy, to clearing about noon; temp; 44° to 75°; wind SE, 5 to 8 m.p.h. Three observers in 2 parties. Total party-hours, 9 (2 on foot, 7 by car); total party-miles, 21 (1 on foot, 20 by car). Pied-billed Grebe, 1; Turkey Vulture, 1; Black Vulture, 9; Red-shouldered Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 6; Bob-white, 10; Mourning Dove, 4; Yellow-shafted Flicker, 8; Red-bellied Woodpecker, 2; Red-headed Woodpecker, 2; Downy Woodpecker, 4; Eastern Phoebe, 2; Horned Lark (Prairie), 10; Blue Jay, 11; Am. Crow, 5; Carolina Chickadee, 3; Tufted Titmouse, 2; Brown-headed Nuthatch, 1; Carolina Wren, 4; Mockingbird, 4; Brown Thrasher, 2; Am. Robin, 137; Hermit Thrush, 1; Eastern Bluebird, 9; Ruby-crowned Kinglet, 3; Water Pipit, 53; Loggerhead Shrike, 5; Common Starling, 13; Myrtle Warbler, 2; Pine Warbler, 13; House Sparrow, 150; Eastern Meadowlark, 17; Red-winged Blackbird, 5; Cardinal, 14; Am. Goldfinch, 33; Eastern Towhee, 2; Savannah Sparrow, 8; Vesper Sparrow, 5; Slate-colored Junco, 18 (5 larger birds with horn-colored bills with this flock, 1 identified as Carolina Juncos); Chipping Sparrow, 90; Field Sparrow, 34; White-throated Sparrow, 57; Song Sparrow, 5. **Total,** 44 species (1 additional subspecies); 772 individuals. Common wintering species absent on account of dry, warm weather. One marshy pond totally dry.—Billy Faver, Mrs. W. H. Faver (compiler), Catherine McGregor.

**170. Spartanburg, S. C.** (same location as for 1950, except for Pearce's Pond).—Dec. 23; 6 a.m. to 5:30 p.m. Clear; temp. 28° to 50°; calm; ground frozen early, thawing during day; very wet after 3 in. of rain during previous week. Ten observers in 4 parties. Total party-hours, 22 (19 on foot, 3 by car); total party-miles, 40 (12 on foot, 28 by car). Pied-billed Grebe, 9; Canvas-back, 2; Lesser Scaup, 2; Ruddy Duck, 5; Turkey Vulture, 3; Black Vulture, 2; Red-tailed Hawk, 3; Marsh Hawk, 4; Sparrow Hawk, 5; Bob-white, 8; Am. Coot, 14; Killdeer, 25; Mourning Dove, 38; Belted Kingfisher, 2; Yellow-shafted Flicker, 6; Pileated Woodpecker, 1; Red-bellied Woodpecker, 4; Red-headed Woodpecker, 4; Yellow-bellied Sapsucker, 6; Hairy Woodpecker, 1; Downy Woodpecker, 5; Eastern Phoebe, 12; Horned Lark, 32; Blue Jay, 107; Am. Crow, 111; Carolina Chickadee, 26; Tufted Titmouse, 8; White-breasted Nuthatch, 3; Brown-headed Nuthatch, 15; Brown Creeper, 1; Winter Wren, 2; Carolina Wren, 35; Mockingbird, 16; Brown Thrasher, 2; Am. Robin, 1; Hermit Thrush, 4; Eastern Bluebird, 46; Golden-crowned Kinglet, 3; Ruby-crowned Kinglet, 5; Water Pipit, 15; Loggerhead Shrike, 13; Common Starling, 68; Myrtle Warbler, 8; Pine Warbler, 23; House Sparrow, 70; Eastern Meadowlark, 108; Rusty Black-

bird, 58; Cardinal, 38; Purple Finch, 12; Am. Goldfinch, 51; Eastern Towhee, 57; Savannah Sparrow, 7; Slate-colored Junco, 120; Chipping Sparrow, 15; Field Sparrow, 175; White-throated Sparrow, 75; Fox Sparrow, 5; Swamp Sparrow, 3; Song Sparrow, 65. **Total,** 59 species; 1564 individuals. Seen during the period: Screech Owl, 1; Cedar Waxwing, 14.—Flora Beymer, Gabriel Cannon, Louisa Carlisle, Harold Correll, Ruth Crick, Margaret Hammond, S. Tucker McCravy, R. E. Rupp, Dr. and Mrs. J. O. Watkins.

171. **Atlanta, Ga.** (Lake Phoebe, Chattahoochee River, Avondale Estates, South River, Eastlake, Emory University campus, and areas between cultivated and abandoned fields 20%, pond and stream 15%, marsh 5%, parks 10%, mixed woods 35%, residential 10%, roadside 5%).—Dec. 29; 7:30 a.m. to 5:30 p.m. Cloudy, light rain part of day; temp. 40° to 55°; no wind. Nineteen observers in 6 parties. Total party-hours, 31 (20 on foot, 11 by car); total party-miles, 110 (15 on foot, 95 by car). Pied-billed Grebe, 11; Lesser Scaup, 1; Red-shouldered Hawk, 2; Sparrow Hawk, 3; Killdeer, 41; Mourning Dove, 15; Belted Kingfisher, 4; Yellow-shafted Flicker, 21; Pileated Woodpecker, 2; Red-bellied Woodpecker, 6; Red-headed Woodpecker, 8; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 3; Downy Woodpecker, 20; Eastern Phoebe, 1; Blue Jay, 76; Am. Crow, 31; Carolina Chickadee, 53; Tufted Titmouse, 45; White-breasted Nuthatch, 10; Red-breasted Nuthatch, 3; Brown-headed Nuthatch, 21; Brown Creeper, 3; House Wren, 1; Winter Wren, 9; Carolina Wren, 34; Mockingbird, 24; Brown Thrasher, 8; Am. Robin, 1; Hermit Thrush, 12; Eastern Bluebird, 36; Golden-crowned Kinglet, 16; Ruby-crowned Kinglet, 11; Water Pipit, 45; Cedar Waxwing, 116; Loggerhead Shrike, 5; Common Starling, 96; Pine Warbler, 8; Palm Warbler, 1; Common Yellowthroat, 2; House Sparrow, 27; Eastern Meadowlark, 132; Red-winged Blackbird, 200; Purple Grackle, 700; Cardinal, 57; Purple Finch, 24; Am. Goldfinch, 125; Eastern Towhee, 85; Savannah Sparrow, 24; Vesper Sparrow, 1; Slate-colored Junco, 106; Field Sparrow, 93; White-throated Sparrow, 153; Fox Sparrow, 6; Swamp Sparrow, 61; Song Sparrow, 98. **Total,** 56 species; about 2699 individuals.—Orpha Baber, Rebecca Brown, Mrs. T. J. Cook, Norman H. Giles, Jr., R. B. Godwin, Mr. and Mrs. Hal M. Herreman, Mr. and Mrs. Harold S. Peters, Richard A. Parks, Mary Phillips, Ralph L. Ramsey (compiler), Dick Sams, Jeane Shearer, Mrs. J. M. Smith, Garrard Spratt, Dr. Nelson T. Spratt, Mrs. O. C. Waters, Ray C. Werner.

172. **Cartersville, Ga.** (Allatoona Reservoir, Allatoona Creek portion, Lake Aubrey, Cartersville, Allatoona, and areas between; pond and streams 30%, cultivated and abandoned fields 35%, mixed woods 25%, residential 10%).—Dec. 28; 7:30 a.m. to 5 p.m. Partly cloudy most of day; temp. 28° to 46°; wind E to S, 5-10 m.p.h.; ground frozen in a.m. Three observers in 1 party. Total party-hours, 9 (7 on foot, 2 by car); total party-miles, 67 (7 on foot, 60 by car). Pied-billed Grebe, 2; Great Blue Heron, 1; Mallard, 1; Am. Widgeon, 2; Ring-necked Duck, 1; Lesser Scaup, 2; Ruddy Duck, 2; Am. Merganser, 3; Turkey Vulture, 2; Black Vulture, 2; Marsh Hawk, 1; Sparrow Hawk, 1; Bob-white, 4; Am. Coot, 57; Killdeer, 36; Ring-billed Gull, 6; Mourning Dove, 1; Belted Kingfisher, 1; Red-bellied Woodpecker, 2; Downy Woodpecker, 1; Eastern Phoebe, 1; Horned Lark, 200; Blue Jay, 3; Am. Crow, 17; Carolina Chickadee, 12; Tufted Titmouse, 8; Brown-headed Nuthatch, 2; Brown Creeper, 1; Bewick's Wren, 1; Mockingbird, 7; Brown Thrasher, 1; Eastern Bluebird, 17; Golden-crowned Kinglet, 1; Ruby-crowned Kinglet, 1; Loggerhead Shrike, 2; Common Starling, 42; Pine Warbler, 1; House Sparrow, 15; Eastern Meadowlark, 52; Cardinal, 18; Am. Goldfinch, 24; Eastern Towhee, 8; Savannah Sparrow, 12; Slate-colored Junco, 125; Field Sparrow, 95; White-throated Sparrow, 14; Swamp Sparrow, 2; Song Sparrow, 70. **Total,** 48 species; about 880 individuals.—Hal M. Herreman, Harold S. Peters, Ralph L. Ramsey (compiler).

173. **Columbus, Ga.** (same territory as last year with a trip to Muscogee County Recreational Area at Flat Rock added; this has a large artificial lake surrounded by hardwood and pines).—Dec. 29; 7 a.m. to 5 p.m. Cloudy with light showers in early p.m.; temp. 40° to 65°; wind NE, 5-10 m.p.h. Five observers in 2 parties. Total party-hours, 15 (8 on foot, 7 by car); total party-miles, 31 (8 on foot, 23 by car). Pied-billed Grebe, 5; Mallard, 21; Turkey Vulture, 2; Black Vulture, 16; Bob-white, 9; Mourning Dove, 3; Yellow-shafted Flicker, 6; Red-bellied Woodpecker, 2; Downy Woodpecker, 1; Eastern Phoebe, 2; Blue Jay, 14; Am. Crow, 18; Carolina Chickadee, 3; Tufted Titmouse, 2; White-breasted Nuthatch, 1; Brown Creeper, 3; House Wren, 3; Carolina Wren, 3; Mockingbird, 11; Am. Robin, 80; Hermit Thrush, 1; Eastern Bluebird, 14; Blue-gray Gnatcatcher, 10; Golden-crowned Kinglet, 6; Ruby-crowned Kinglet, 2; Water Pipit, 7; Cedar Waxwing, 153; Loggerhead Shrike, 4; Common Starling, 12; Pine Warbler, 1; Palm Warbler, 3; House Sparrow, 17; Eastern Meadowlark, 23; Rusty Blackbird, 20; Cardinal, 9; Am. Goldfinch, 4; Eastern Towhee, 19; Savannah Sparrow, 3; Vesper Sparrow, 25; Slate-colored Junco, 15; Chipping Sparrow, 1; Field Sparrow, 10; White-crowned Sparrow, 3; White-throated Sparrow, 11; Swamp Sparrow, 4; Song Sparrow, 4. **Total,** 46 species; 586 individuals. (Seen during week: Sparrow Hawk, 2; Killdeer, 1; also a flock of mixed Rusty Blackbirds, Red-wings and Brown-headed Cowbirds estimated at 1000 individuals.)—Rev. and Mrs. W. B. Clemmons, Bill Clemmons, Jr., Martha Clemmons, and Frank A. Philips.

174. **Macon, Ga.** (same area as last year, minus Airport and nearby river bottomlands; ponds and margins 15%, deciduous lowlands 30%, open fields and pasture 45%, brushy uplands 10%).—Dec. 30; 7:15 a.m. to 5:45 p.m. Overcast; temp. 50° to 70°; wind NW, 0-15 m.p.h. Eight observers in 4 parties. Total party-hours, 28½ (25½ on foot, 3 by car); total party-miles, 80 (40 on foot, 40 by car). Pied-billed Grebe, 4; Great Blue Heron, 5; Turkey Vul-

ture, 15; Black Vulture, 11; Cooper's Hawk, 1; Red-tailed Hawk, 10; Red-shouldered Hawk, 5; Marsh Hawk, 3; Sparrow Hawk, 2; Killdeer, 33; Am. Woodcock, 5; Belted Kingfisher, 4; Yellow-shafted Flicker, 41; Red-bellied Woodpecker, 5; Red-headed Woodpecker, 2; Yellow-bellied Sapsucker, 11; Hairy Woodpecker, 1; Downy Woodpecker, 15; Eastern Phoebe, 10; Horned Lark, 26; Blue Jay, 37; Am. Crow, 17; Carolina Chickadee, 46; Tufted Titmouse, 7; White-breasted Nuthatch, 1; Brown Creeper, 15; Bewick's Wren, 2; Carolina Wren, 37; Mockingbird, 22; Brown Thrasher, 10; Am. Robin, 13; Hermit Thrush, 6; Eastern Bluebird, 33; Blue-gray Gnatcatcher, 2; Golden-crowned Kinglet, 8; Ruby-crowned Kinglet, 30; Water Pipit, 3; Cedar Waxwing, 121; Loggerhead Shrike, 4; Common Starling, 147; White-eyed Vireo, 1; Solitary Vireo, 5; Black and White Warbler, 1; Orange-crowned Warbler, 2; Myrtle Warbler, 62; Pine Warbler, 2; Palm Warbler (Western), 1; House Sparrow, 60; Eastern Meadowlark, 127; Red-winged Blackbird, 2014 (est.); Rusty Blackbird, 17; Purple Grackle, 6; Cardinal, 70; Purple Finch, 20; Am. Goldfinch, 142; Eastern Towhee, 19; Savannah Sparrow, 12; Henslow's Sparrow, 2; Vesper Sparrow, 3; Slate-colored Junco, 64; Chipping Sparrow, 74; Field Sparrow, 62; White-throated Sparrow, 113; Fox Sparrow, 5; Swamp Sparrow, 2; Song Sparrow, 41. **Total,** 66 species; about 3697 individuals. (Seen in area Dec. 24: Am. Coot, 1; Dec. 27: Black-crowned Night Heron, 1; Sharp-shinned Hawk, 1; Mourning Dove, 2; Ground Dove, 3; Horned Owl, 1.)—H. L. Batts, Jr., T. J. Cater, Mrs. T. J. Cater, Charles Deaton, Edmund Farrar, Sr., Edmund Farrar, Jr. (compiler), T. P. Haines, Frank Rehfeld.

175. **Monticello, Ga.** (5-mile radius; pasture 25%, pine woodlands 50%, deciduous woodlands 20%, town 5%—small farm ponds, rolling country of lower Piedmont).—Dec. 25; 8 a.m. to 5 p.m. Temp. 32° to 60°; wind SW, 10 m.p.h. Two observers in 1 party. Total party-hours, 18 (6 on foot, 12 by car); total party-miles, 34 (4 on foot, 30 by car). Pied-billed Grebe, 5; Great Blue Heron, 2; Hooded Merganser, 1; Turkey Vulture, 12; Black Vulture, 5; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 2; Marsh Hawk, 3; Sparrow Hawk, 4; Mourning Dove, 35; Belted Kingfisher, 1; Yellow-shafted Flicker, 16; Red-bellied Woodpecker, 6; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 1; Downy Woodpecker, 5; Blue Jay, 48; Am. Crow, 29; Carolina Chickadee, 15; Tufted Titmouse, 3; Carolina Wren, 6; Mockingbird, 10; Brown Thrasher, 1; Eastern Bluebird, 82; Ruby-crowned Kinglet, 3; Cedar Waxwing, 74; Loggerhead Shrike, 6; Common Starling, 12; Myrtle Warbler, 19; Pine Warbler, 50; House Sparrow, 11; Eastern Meadowlark, 75; Red-winged Blackbird, 5; Cardinal, 8; Purple Finch, 18; Am. Goldfinch, 20; Eastern Towhee, 16; Slate-colored Junco, 60; Chipping Sparrow, 3; Field Sparrow, 191; White-throated Sparrow, 18; Fox Sparrow, 30; Song Sparrow, 18. **Total,** 44 species; 932 individuals.—J. B. Warriner, L. P. Warriner.

176. **Sherwood and Birdsong Plantations (Grady Co.), Ga.** (same as 1945 and subsequent years; 3 of the ponds dry however).—Dec. 25; 6:30 a.m. to 6:30 p.m. Fog, mist in a.m., p.m. cloudy; temp. 58° to 62°; wind ESE, 0-3 m.p.h. One observer. Total hours, 11 (9 on foot, 2 by car); total miles, 15 (10 on foot, 5 by car). Great Blue Heron, 2; Wood Duck, 61; Ring-necked Duck, 73; Turkey Vulture, 7; Black Vulture, 23; Red-tailed Hawk, 4; Red-shouldered Hawk, 3; Sparrow Hawk, 2; Bobwhite, 15 (1 covey); Turkey, 3; Killdeer, 11; Wilson's Snipe, 4; Mourning Dove, 491 (partly est.); Screech Owl, 2; Horned Owl, 3; Barred Owl, 2; Yellow-shafted Flicker, 16; Pileated Woodpecker, 9; Red-bellied Woodpecker, 17; Red-headed Woodpecker, 20; Yellow-bellied Sapsucker, 14; Downy Woodpecker, 8; Red-cockaded Woodpecker, 2; Eastern Phoebe, 4; Blue Jay, 21; Am. Crow, 24; Carolina Chickadee, 7; Tufted Titmouse, 14; White-breasted Nuthatch, 4; Brown-headed Nuthatch, 8; Brown Creeper, 1; House Wren, 4; Carolina Wren, 12; Mockingbird, 20; Catbird, 1; Brown Thrasher, 25; Am. Robin, 190; Hermit Thrush, 10; Eastern Bluebird, 220; Blue-gray Gnatcatcher, 1; Ruby-crowned Kinglet, 18; Cedar Waxwing, 263 (partly est.); Loggerhead Shrike, 1; Common Starling, 764 (est.); Black and White Warbler, 2; Myrtle Warbler, 87; Yellow-throated Warbler, 1; Pine Warbler, 190; Palm Warbler, 12; Common Yellowthroat, 4; Eastern Meadowlark, 65; Red-winged Blackbird, 122; Rusty Blackbird, 17; Purple Grackle, 4; Brown-headed Cowbird, 6; Cardinal, 106; Purple Finch, 11; Am. Goldfinch, 21; Eastern Towhee, 47; Savannah Sparrow, 3; Vesper Sparrow, 16; Slate-colored Junco, 23; Chipping Sparrow, 22; Field Sparrow, 9; White-throated Sparrow, 61; Swamp Sparrow, 7; Song Sparrow, 13. **Total,** 67 species; 3253 individuals. (Seen in area Dec. 23: Belted Kingfisher, 1; Solitary Vireo, 1.)—Herbert L. Stoddard, Sr.

177. **Audubon, Fla.** (diameter from ocean across Banana and Indian Rivers through Cocoa to western end of Lake Poinsett; pine woods 50%, tidal estuaries 24%, towns and citrus groves 9%, prairie 8%, salt marsh 3%, fresh water and marshes 3%, ocean, etc., 3%).—Dec. 27; 5:20 a.m. to 6:30 p.m. Showers until 7:20 a.m.; clearing and gales by 11 a.m.; temp. 58° to 68°; wind NNE, 5-45 m.p.h. Three observers in 2 parties. Total party-hours, 24 (18 on foot, 6 by car); total party-miles, 170 (12 on foot, 158 by car). Common Loon, 4; Red-throated Loon, 1; Horned Grebe, 37; Pied-billed Grebe, 27; Brown Pelican, 450; Gannet, 11; Double-crested Cormorant, 700; Water-turkey, 2; Great Blue Heron, 33; Am. Egret, 72; Snowy Egret, 84; Louisiana Heron, 43; Little Blue Heron, 56; Green Heron, 4; Black-crowned Night Heron, 5; Yellow-crowned Night Heron, 1; Wood Ibis, 14; Glossy Ibis, 5; White Ibis, 1000; Mallard, 1; Black Duck, 2; Mottled Duck, 8; Gadwall, 1; Am. Widgeon, 250; Pintail, 800; Green-winged Teal, 17; Blue-winged Teal, 184; Shoveller, 74; Redhead, 2; Ring-necked Duck, 21; Canvas-back, 62; Lesser Scaup, 1500; Ruddy Duck, 28; Red-breasted Merganser, 2; Turkey Vulture, 64; Black

Vulture, 33; Sharp-shinned Hawk, 2; Cooper's Hawk, 1; Red-tailed Hawk, 5; Bald Eagle, 12 (2 pairs on nests); Marsh Hawk, 45; Osprey, 2; Sparrow Hawk, 61; Bob-white, 13; Clapper Rail, 3; Sora, 1; Florida Gallinule, 16; Am. Coot, 710; Piping Plover, 5; Ringed Plover, 4; Wilson's Plover, 1; Killdeer, 57; Black-bellied Plover, 12; Ruddy Turnstone, 64; Wilson's Snipe, 2; Spotted Sandpiper, 2; Willet, 1; Greater Yellow-legs, 11; Red Knot, 56; Least Sandpiper, 42; Red-backed Sandpiper, 235; Semipalmated Sandpiper, 150; Western Sandpiper, 14; Marbled Godwit, 2; Sanderling, 150; **Northern Phalarope,** 14 (carefully studied spinning on water—A.D.C.); Herring Gull, 43; Ring-billed Gull, 532; Laughing Gull, 23; Bonaparte's Gull, 24; Forster's Tern, 47; Royal Tern, 87; Cabot's Tern, 3; Caspian Tern, 23; Black Skimmer, 245; Mourning Dove, 48; Ground Dove, 26; Barn Owl, 1; Screech Owl, 1; Horned Owl, 3 (1 pair nesting in eagle's nest); Belted Kingfisher, 41; Yellow-shafted Flicker, 36; Pileated Woodpecker, 3; Red-bellied Woodpecker, 21; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 5; Red-cockaded Woodpecker, 3; Eastern Phoebe, 33; Tree Swallow, 255; Blue Jay, 2; Scrub Jay, 7; Am. Crow, 5; Fish Crow, 84; White-breasted Nuthatch, 1; Brown-headed Nuthatch, 5; House Wren, 13; Carolina Wren, 6; Long-billed Marsh Wren, 3; Mockingbird, 26; Catbird, 3; Am. Robin, 1240; Eastern Bluebird, 34; Blue-gray Gnatcatcher, 12; Ruby-crowned Kinglet, 11; Cedar Waxwing, 5; Loggerhead Shrike, 28; Myrtle Warbler, 65; Yellow-throated Warbler, 2; Pine Warbler, 37; Prairie Warbler, 3; Palm Warbler (mostly Western; only 5 Yellow Palms identified), 105; Common Yellowthroat, 32; House Sparrow, 14; Eastern Meadowlark, 16; Red-winged Blackbird, 180; Boat-tailed Grackle, 88; Purple Grackle, 6; Brown-headed Cowbird, 1; Cardinal, 26; Am. Goldfinch, 39; Eastern Towhee, 22; Savannah Sparrow, 51; Sharp-tailed Sparrow, 1; Pine-woods Sparrow, 2; Chipping Sparrow, 12; Swamp Sparrow, 9; Song Sparrow, 4. **Total,** 128 species (1 additional subspecies); about 10,996 individuals. (Seen in area Dec. 26: Red-shouldered Hawk, 4; King Rail, 1; Black and White Warbler, 1; Oven-bird, 1.)—Allan D. Cruickshank (compiler), Helen G. Cruickshank, Joseph C. Howell.

**178. Cedar Key, Fla.** (same as last year).—Dec. 27; 6:45 a.m. to 5:20 p.m. Squalls; temp. 45° to 54°; wind NE, 20 m.p.h. Five observers in 1 party. Total party-hours, 11 (10 on foot, 1 by car); total party-miles, 63 (33 on foot, 30 by car). Common Loon, 4; Horned Grebe, 3; Pied-billed Grebe, 4; White Pelican, 5; Brown Pelican, 46; Double-crested Cormorant, 20; Great Blue Heron, 11; Am. Egret, 6; Snowy Egret, 2; Louisiana Heron, 3; Little Blue Heron, 29; Black-crowned Night Heron, 3; Yellow-crowned Night Heron, 1; White Ibis, 8; Black Duck, 8; Wood Duck, 4; Lesser Scaup, 1224; Ruddy Duck, 5; Red-breasted Merganser, 8; Turkey Vulture, 24; Black Vulture, 9; Cooper's Hawk, 1; Red-tailed Hawk, 2; Red-shouldered Hawk, 4; Bald Eagle, 4; Marsh Hawk, 5; Osprey, 1; Sparrow Hawk, 9; Clapper Rail, 1; Virginia Rail, 1; Killdeer, 6; Wilson's Snipe, 1; Willet, 76; Red-backed Sandpiper, 25; Herring Gull, 13; Ring-billed Gull, 19; Laughing Gull, 2; Forster's Tern, 32; Royal Tern, 2; Black Skimmer, 166; Mourning Dove, 9; Ground Dove, 12; Burrowing Owl, 1; Belted Kingfisher, 12; Pileated Woodpecker, 1; Red-bellied Woodpecker, 1; Downy Woodpecker, 1; Eastern Phoebe, 7; Tree Swallow, 46; Am. Crow, 4; Carolina Chickadee, 3; Tufted Titmouse, 1; House Wren, 4; Carolina Wren, 2; Long-billed Marsh Wren, 9; Short-billed Marsh Wren, 4; Mockingbird, 7; Brown Thrasher, 1; Am. Robin, 98; Eastern Bluebird, 6; Blue-gray Gnatcatcher, 2; Ruby-crowned Kinglet, 2; Cedar Waxwing, 3; Loggerhead Shrike, 3; Solitary Vireo, 1; Black and White Warbler, 5; Myrtle Warbler, 49; Pine Warbler, 1; Palm Warbler, 12; Common Yellowthroat, 15; House Sparrow, 2; Eastern Meadowlark, 13; Red-winged Blackbird, 7; Cardinal, 11; Am. Goldfinch, 102; Eastern Towhee, 20 (Red-eyed, 16; White-eyed, 4); Savannah Sparrow, 11; Sharp-tailed Sparrow, 5; Seaside Sparrow, 9; Pine-woods Sparrow, 5; Field Sparrow, 23; White-throated Sparrow, 2; Swamp Sparrow, 1; Song Sparrow, 8. **Total,** 84 species (1 additional subspecies); 2338 individuals.—P. Brodkorb, B. J. Burns, S. Fickett, D. O. Karraker, G. E. Nelson (Southern Ornithological Society).

**179. Coot Bay—Everglades National Park, Fla.** (7½-mile radius centering on a point ½-mile northwest of Bradley Key, including East Cape Sable, Coot and Whitewater Bays, Flamingo, Snake Bight, Dildo and Sandy Keys; mangrove 15%, hammock 15%, salt prairie 20%, lakes and bays 50%).—Dec. 22; 6 a.m. to 6:30 p.m. Clear; temp. 65° to 80°; wind SE, 5-10 m.p.h. Twenty-one observers in 9 parties. Total party-hours, 77 (42½ on foot, 8½ by car, 26 by boat); total party-miles, 230½ (42½ on foot, 79 by car, 109 by boat). Common Loon, 2; Pied-billed Grebe, 32; White Pelican, 374; Brown Pelican, 675; Double-crested Cormorant, 1908; Water Turkey, 16; Man-o'-war-bird, 3; Great White Heron, 161; Würdemann's Heron (hybrid), 4 (R.P.A., J.M.); Great Blue Heron, 315; Am. Egret, 1306; Snowy Egret, 625; Reddish Egret, 26 (2 white phase); Louisiana Heron, 859; Little Blue Heron, 694; Green Heron, 27; Black-crowned Night Heron, 43; Yellow-crowned Night Heron, 47; Am. Bittern, 1; Wood Ibis, 335; White Ibis, 82; Roseate Spoonbill, 89; Mottled Duck, 16; Am. Widgeon, 1000 (est.); Pintail, 136; Green-winged Teal, 10; Blue-winged Teal, 50; Shoveller, 44; Wood Duck, 3; Ring-necked Duck, 50; Lesser Scaup, 4001 (4000 est., 1); Ruddy Duck, 50 (est.); Red-breasted Merganser, 94; Turkey Vulture, 301 (100 est., 201); Black Vulture, 21; Sharp-shinned Hawk, 1; Red-shouldered Hawk, 31; Broad-winged Hawk, 4; Short-tailed Hawk, 2; Bald Eagle, 31; Marsh Hawk, 34; Osprey, 82; Peregrine Falcon, 4; Pigeon Hawk, 4; Sparrow Hawk, 37; Clapper Rail, 9; Virginia Rail, 1; Am. Coot, 20,000 (est.); Ringed Plover, 51; Wilson's Plover, 2; Killdeer, 115; Black-bellied Plover, 277; Ruddy Turnstone, 15; Wilson's Snipe, 1; Spotted Sandpiper, 59; Solitary Sandpiper, 1; Willet, 325; Greater Yellow-legs, 113; Lesser Yel-

low-legs, 535; Least Sandpiper, 3; Red-backed Sandpiper, 70; Dowitcher, 237; Semipalmated Sandpiper, 251; Marbled Godwit, 97; Herring Gull, 87 (50 est., 37); Ring-billed Gull, 185 (100 est., 85); Laughing Gull, 443 (200 est., 243); Forster's Tern, 37; Royal Tern, 119; Cabot's Tern, 3; Caspian Tern, 325; Black Skimmer, 1009 (1000 est., 9); Mourning Dove, 6; Ground Dove, 33; Barn Owl, 3; Barred Owl, 8; Ruby-throated Hummingbird, 3; Belted Kingfisher, 90; Yellow-shafted Flicker, 7; Pileated Woodpecker, 8; Red-bellied Woodpecker, 48; Crested Flycatcher, 46; Eastern Phoebe, 28; Tree Swallow, 1; Am. Crow, 71; Fish Crow, 2; House Wren, 60; Carolina Wren, 7; Short-billed Marsh Wren, 6; Mockingbird, 24; Catbird, 14; Brown Thrasher, 1; Blue-gray Gnatcatcher, 137; Loggerhead Shrike, 3; White-eyed Vireo, 13; Solitary Vireo, 1; Black and White Warbler, 8; Orange-crowned Warbler, 6; Parula Warbler, 4; Myrtle Warbler, 1; Yellow-throated Warbler, 3; Prairie Warbler, 18; Palm Warbler, 150; Common Yellowthroat, 83; Am. Redstart, 1; Eastern Meadowlark, 57; Red-winged Blackbird, 233; Purple Grackle, 107; Cardinal, 22; Painted Bunting, 7; Am. Goldfinch, 80; Eastern Towhee, 1; Savannah Sparrow, 250 (200 est., 50); Swamp Sparrow, 5; Song Sparrow, 1. **Total,** 114 species (and 1 hybrid); about 39,653 individuals. Double-crested Cormorants, Great White Herons, Great Blue Herons (Ward's) and Black-crowned Night Herons were found nesting on Dildo Key, Florida Bay. Bald Eagles and Ospreys were also nesting on other keys.—Robert P. Allen, William Atwater, Henry P. Bennett (compiler), Charles M. Brookfield, Dorothy Dee, Jean Miles, Eva S. Dickie, Willard Dilley, Jean Dunwody, James P. Fleugel, Stephen Holleran, Mr. and Mrs. C. T. Hotchkiss, Mariette Labastille, Earl Montgomery, Joe Moore, Flora E. O'Brien, Dennis Paulson, William Robertson, Louis A. Stimson, Glenn Woolfenden.

**180. Daytona Beach, Volusia Co., Fla.** (7½-mile radius centering on the southwest corner of Section 28, Range 30 east, Township 15 south; north to 11th St. in Holly Hill, south to Spruce Creek, west to fire tower on U. S. 92, east as far as we could see in the Atlantic Ocean; beach and dune 25%, salt marsh 12%, fresh-water marsh 3%, pasture 6%, pine-palmetto flatwoods 26%, deciduous forests 10%, residential areas 10%, plowed land 2%, sand bars in Halifax River 6%).—Dec. 28; 6:30 a.m. to 5:45 p.m. Clear; temp. 58° to 64°; wind 0-12 m.p.h. Eleven observers in 4 parties. Total party-hours, 45 (12 on foot, 33 by car); total party-miles, 106 (9 on foot, 97 by car). Common Loon, 11; Horned Grebe, 28; Pied-billed Grebe, 5; Brown Pelican, 121; Gannet, 7; Double-crested Cormorant, 498; Water-turkey, 2; Great Blue Heron, 20; Am. Egret, 11; Snowy Egret, 40; Louisiana Heron, 251; Little Blue Heron, 173; Lesser Scaup, 94; Am. Golden-eye, 8; Red-breasted Merganser, 18; Turkey Vulture, 21; Black Vulture, 68; Sharp-shinned Hawk, 2; Cooper's Hawk, 1; Red-tailed Hawk, 1; Red-shouldered Hawk, 9; Osprey, 4; Sparrow Hawk, 29; Bob-white, 11; Clapper Rail, 1; Black Rail, 1; Florida Gallinule, 6; Am. Coot, 27; Piping Plover, 3; Killdeer, 18; Black-bellied Plover, 5; Ruddy Turnstone, 144; Wilson's Snipe, 1; Spotted Sandpiper, 1; Willet, 3; Lesser Yellow-legs, 6; Red Knot, 160; White-rumped Sandpiper, 5 [no details—Ed.]; Dowitcher, 1; Western Sandpiper, 1; Sanderling, 320; Herring Gull, 131; Ring-billed Gull, 2565; Laughing Gull, 126; Bonaparte's Gull, 40; Forster's Tern, 51; Royal Tern, 180; Cabot's Tern, 1; Caspian Tern, 2; Black Skimmer, 3128 (3000±500); Mourning Dove, 12; Ground Dove, 17; Belted Kingfisher, 20; Yellow-shafted Flicker, 24; Pileated Woodpecker, 2; Red-bellied Woodpecker, 18; Red-headed Woodpecker, 2; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 4; Eastern Phoebe, 31; Tree Swallow, 29; Blue Jay, 23; Scrub Jay, 1. Am. Crow, 10; Fish Crow, 406; Carolina Chickadee, 9; Tufted Titmouse, 2; Brown-headed Nuthatch, 6; House Wren, 18; Carolina Wren, 8; Short-billed Marsh Wren, 2; Mockingbird, 107; Catbird, 9; Brown Thrasher, 2; Am. Robin, 180; Eastern Bluebird, 41; Blue-gray Gnatcatcher, 8; Ruby-crowned Kinglet, 8; Water Pipit, 16; Cedar Waxwing, 50; Loggerhead Shrike, 46; Common Starling, 80; White-eyed Vireo, 4; Solitary Vireo, 2; Myrtle Warbler, 63; Yellow-throated Warbler, 2; Pine Warbler, 5; Palm Warbler, 71 (Western, 70; Yellow, 1); Common Yellow-throat, 10; House Sparrow, 17; Eastern Meadowlark, 39; Red-winged Blackbird, 18; Purple Grackle, 25; Brown-headed Cowbird, 5; Cardinal, 34; Am. Goldfinch, 108; Eastern Towhee, 6; Savannah Sparrow, 18; Grasshopper Sparrow, 1; Sharp-tailed Sparrow, 3; Vesper Sparrow, 4; Chipping Sparrow, 19; Swamp Sparrow, 1; Song Sparrow, 11. **Total,** 105 species (1 additional subspecies); about 10,020 individuals. (Seen in area Dec. 25: Wood Ibis and Roseate Tern by D. E. Miller, and on Dec. 30: Bald Eagle, Green Heron and Baltimore Oriole by K. Hunter.)—Marian Adams, Mrs. O. A. Adams, Elizabeth Ball, Rose Block, Carl Hamann, Kenneth Hunter, Frank S. James, Lottie Martin, Dennis E. Miller (compiler), Eva M. Porter, Mabel Rogers (Halifax River Bird Club).

**181. Jacksonville, Fla.** (7½-mile radius centered at Fulton on the St. John's River; flatwoods 25%, hammock 20%, scrub 5%, fresh-water swamp and marsh 15%, salt and brackish marsh 20%, beach and jetties 10%, farmland 2%, suburbs 3%).—Dec. 23; 6:30 a.m. to 5:30 p.m. Clear in early a.m., drizzle from 9 a.m. on, with intermittent heavy showers after 11 a.m.; temp. 45° to 56°; wind N, 0-20 m.p.h. Seven observers in 3 parties. Total party-hours, 28 (18 on foot, 10 by car); total party-miles, 135 (11 on foot, 124 by car). Common Loon, 1 (dead on beach); Horned Grebe, 8; Pied-billed Grebe, 8; Brown Pelican, 229; Gannet, 25; Double-crested Cormorant, 38; Great Blue Heron, 16; Am. Egret, 32; Snowy Egret, 174; Louisiana Heron, 22; Little Blue Heron, 78; Green Heron, 1; Black-crowned Night Heron, 2; Wood Ibis, 12; Green-winged Teal, 2; Wood Duck, 3; Ring-necked Duck, 6; Lesser Scaup, 3; unidentified ducks, 50; Ruddy Duck, 50; Hooded Merganser, 13; Red-breasted Merganser, 13;

Turkey Vulture, 7; Black Vulture, 2; Sharp-shinned Hawk, 2; Cooper's Hawk, 1; Red-tailed Hawk, 4; Red-shouldered Hawk, 2; Bald Eagle, 4; Marsh Hawk, 12; Osprey, 2; Sparrow Hawk, 23; Clapper Rail, 10; Florida Gallinule, 17; Am. Coot, 13; Piping Plover, 2; Ringed Plover, 80; Killdeer, 16; Black-bellied Plover, 21; Ruddy Turnstone, 16; Wilson's Snipe, 1; Greater Yellow-legs, 8; Lesser Yellow-legs, 15; Red Knot, 1; Least Sandpiper, 100; Red-backed Sandpiper, 105; Dowitcher, 20; Semipalmated Sandpiper, 5; Western Sandpiper, 100; Sanderling, 80; Herring Gull, 430; Ring-billed Gull, 710; Laughing Gull, 100; Bonaparte's Gull, 4; Forster's Tern, 10; Royal Tern, 130; Black Skimmer, 507; Mourning Dove, 9; Ground Dove, 9; Belted Kingfisher, 34; Yellow-shafted Flicker, 20; Pileated Woodpecker, 5; Red-bellied Woodpecker, 9; Red-headed Woodpecker, 2; Yellow-bellied Sapsucker, 9; Hairy Woodpecker, 1; Downy Woodpecker, 5; Eastern Phoebe, 14; Tree Swallow, 550; Cliff Swallow, 1 (observed by Hopkins and Grimes for 10 or 15 minutes as it coursed back and forth over a grassy area behind the dunes; studied with 7x35 glasses at distances as close as 15 or 20 ft. from above as we stood on the dunes and from below as we stood in the hollow; whitish lower back and rump, light-colored ring around the neck, squarish tail, and other diagnostic points were clearly noted; it was also noted that the bird lacked the usually conspicuous forehead patch, this area being only slightly lighter than the crown and throat); Blue Jay, 16; Am. Crow, 3; Fish Crow, 450; Carolina Chickadee, 17; Tufted Titmouse, 18; Brown-headed Nuthatch, 2; House Wren, 17; Winter Wren, 1; Carolina Wren, 9; Mockingbird, 21; Catbird, 18; Brown Thrasher, 2; Am. Robin, 255; Hermit Thrush, 1; Eastern Bluebird, 55; Blue-gray Gnatcatcher, 2; Ruby-crowned Kinglet, 66; Water Pipit, 22; Cedar Waxwing, 440; Loggerhead Shrike, 20; Common Starling, 120; White-eyed Vireo, 12; Solitary Vireo, 5; Black and White Warbler, 21; Orange-crowned Warbler, 2; Myrtle Warbler, 550; Yellow-throated Warbler, 4; Pine Warbler, 8; Palm Warbler, 33 (Western, 30; Yellow, 3); Common Yellowthroat, 6; House Sparrow, 7; Eastern Meadowlark, 17; Red-winged Blackbird, 140; Boat-tailed Grackle, 3; Brown-headed Cowbird, 49; Cardinal, 31; Am. Goldfinch, 316; Eastern Towhee, 67; Savannah Sparrow, 70; Henslow's Sparrow, 1; Sharp-tailed Sparrow, 1; Vesper Sparrow, 50; Pine-woods Sparrow, 2; Chipping Sparrow, 20; Field Sparrow, 5; White-throated Sparrow, 187; Swamp Sparrow, 22; Song Sparrow, 18. **Total,** 117 species (1 additional subspecies); 7216 individuals.—W. Y. Gary, S. A. Grimes (compiler), E. W. Hopkins, Helen B. Kickliter, Mrs. Janet Richards, R. Smith, J. Q. U. Thompson (Duval Audubon Society).

182. **Lower Florida Keys (Monroe Co.), Fla.** (Keys along overseas highway from west end of Seven-mile Bridge to Cudjoe Key; circle of 7½ miles radius centered in center of Big Pine Key; beaches and sand bars 30%, salt water ponds and mud flats 30%, mangrove swamp 20%, pine-palm forest 15%, tropical hammock 5%).—Dec. 28; 6:30 a.m. to 6:30 p.m. Overcast; temp. 66° to 78°; wind N to NE, up to 35 m.p.h. Three observers in 1 party. Total hours, 12 (9 on foot, 3 by car); total miles, 58 (10 on foot, 48 by car). Common Loon, 3; Brown Pelican, 16; Double-crested Cormorant, 850 (700 est., 150); Man-o'-war-bird, 4; Great White Heron, 11; Great Blue Heron (Ward's), 9; Würdemann's Heron (hybrid), 2; Am. Egret, 2; Snowy Egret, 1; Louisiana Heron, 22; Little Blue Heron, 14; Yellow-crowned Night Heron, 1; Red-breasted Merganser, 26; Turkey Vulture, 19; Broad-winged Hawk, 2 (imm., 1 found dead); Marsh Hawk, 8; Osprey, 7; Sparrow Hawk, 29; Am. Coot, 1 (Cudjoe Key); Piping Plover, 13; Ringed Plover, 100; Wilson's Plover, 1; Black-bellied Plover, 48; Ruddy Turnstone, 35; Willet, 1; Greater Yellow-legs, 3; Lesser Yellow-legs, 3; Least Sandpiper, 47; Red-backed Sandpiper, 3; Dowitcher, 59; Semipalmated Sandpiper, 30; Western Sandpiper, 7; Sanderling, 61; Herring Gull, 11; Ring-billed Gull, 28; Laughing Gull, 19; Royal Tern, 113; Mourning Dove, 2; Ground Dove, 1; Belted Kingfisher, 12; Red-bellied Woodpecker, 1; Mockingbird, 1; Blue-gray Gnatcatcher, 4; Loggerhead Shrike, 1 (roadside, Big Pine Key. Rare in Lower Keys; one previous published record); Black and White Warbler, 1; Prairie Warbler, 4; Palm Warbler (Western), 49; Common Yellowthroat, 1; Red-winged Blackbird, 97; Cardinal, 4; Savannah Sparrow, 4. **Total,** 50 species (1 additional hybrid); 1791 individuals. Strong winds throughout the day made all land birds difficult to locate. A number of common winter residents were not found at all. —Mrs. Guy E. Bonney, Douglas A. James, William B. Robertson (compiler).

183. **Miami, Fla.** (same as last year; open parks 35%, marsh and canal banks 21%, beach and shore 21%, city streets 12%, dry prairie 8%, farmland 2%, pine woods 1%).—Dec. 26; 6:30 a.m. to 5:30 and 8 to 9 p.m. Light clouds; temp. 72° to 79°; wind S, 10 m.p.h. Nine observers in 4 parties. Total party-hours, 41 (27½ on foot, 13½ by car); total party-miles, 238 (30 on foot, 208 by car). Common Loon, 1 (L.A.S., P.D.); Pied-billed Grebe, 13; Brown Pelican, 159; Double-crested Cormorant, 218; Great White Heron, 1 (L.A.S., P.D.); Great Blue Heron (Ward's), 74; Am. Egret, 18; Snowy Egret, 7; Louisiana Heron, 6; Little Blue Heron, 25; Green Heron, 4; Black-crowned Night Heron, 1; Yellow-crowned Night Heron, 1; Mallard, 5; Blue-winged Teal, 17; Shoveller, 125; Ring-necked Duck, 61; Lesser Scaup, 129; Ruddy Duck, 4; Red-breasted Merganser, 6; Turkey Vulture, 99; Black Vulture, 18; Sharp-shinned Hawk, 2; Red-shouldered Hawk, 3; Marsh Hawk, 17; Osprey, 4; Sparrow Hawk, 45; Bob-white, 1; **Ring-necked Pheasant,** 3 (introduced); Florida Gallinule, 7; Am. Coot, 384 (300 est., 84); Ringed Plover, 3; Wilson's Plover, 3; Killdeer, 271 (200 est., 71); Black-bellied Plover, 129; Ruddy Turnstone, 92; Spotted Sandpiper, 8; Willet, 4; Greater Yellow-legs, 2; Red-backed Sandpiper, 56; Dowitcher, 205; Semipalmated Sandpiper, 2; Sanderling, 179; Herring Gull, 133; Ring-billed Gull, 1853 (1700 est., 153); Laughing Gull, 504 (400 est., 104); Royal Tern, 13; Caspian Tern, 2; Mourning

Dove, 15; Ground Dove, 28; Screech Owl, 1; Burrowing Owl, 18; Whip-poor-will, 2; Ruby-throated Hummingbird, 7; Belted Kingfisher, 23; Yellow-shafted Flicker, 5; Red-bellied Woodpecker, 39; Yellow-bellied Sapsucker, 1; Crested Flycatcher, 3; Eastern Phoebe, 39; Tree Swallow, 309 (250 est., 59); Blue Jay, 42; Am. Crow, 4; House Wren, 41; Carolina Wren, 18; Mockingbird, 88; Catbird, 9; Brown Thrasher, 1; Blue-gray Gnatcatcher, 83; Ruby-crowned Kinglet, 3; Loggerhead Shrike, 38; White-eyed Vireo, 5; **Yellow-throated Vireo,** 1 (J.D., F.O.B.); Solitary Vireo, 5; Black and White Warbler, 2; Orange-crowned Warbler, 3; Parula Warbler, 2; Yellow-throated Warbler, 4; Prairie Warbler, 18; Palm Warbler (Western), 122; Oven-bird, 1; Northern Water-thrush, 1; Common Yellowthroat, 42; House Sparrow, 132; Eastern Meadowlark, 75; Red-winged Blackbird, 1296 (1200 est., 96); Boat-tailed Grackle, 179; Purple Grackle, 323 (300 est., 23); Cardinal, 53; Painted Bunting, 20; Am. Goldfinch, 14; Savannah Sparrow, 24. **Total,** 92 species; about 8060 individuals. (Seen during the week: Frigate-bird, Canvas-back, Long-billed Marsh Wren, Indigo Bunting.)—William G. Atwater, David Conkle, Dorothy Dee, Eva S. Dickie, Jean Dunwody, Flora O'Brien, Frederick B. Kopf, Dennis Paulson, Louis A. Stimson (Dade Ornithologists).

**184. Monroe, Fla.** (same area as last year).—Dec. 20; 6:30 a.m. to 5:30 p.m. Clear, to slightly cloudy in p.m.; temp. 72° to 80°; wind SE, increasing to 17 m.p.h. in p.m. Ten observers in 5 parties in a.m., 6 in 1 party in p.m. Total party-hours, 37 (22 on foot, 15 by car); total party-miles, 62 (23 on foot, 39 by car). Pied-billed Grebe, 12; Double-crested Cormorant, 1; Water-turkey, 18; Great Blue Heron (Ward's), 72; Am. Egret, 459 (200 est., 259); Snowy Egret, 136; Louisiana Heron, 138; Little Blue Heron, 476; Green Heron, 27; Black-crowned Night Heron, 60; Am. Bittern, 5; Wood Ibis, 81; White Ibis, 1990 (1700 est., 290); Turkey Vulture, 167; Black Vulture, 21; Cooper's Hawk, 2; Red-shouldered Hawk, 41; **Short-tailed Hawk,** 1 (light phase, seen under favorable conditions, perched and in flight—T.H.T., E.T., F.B.K., R.C.); Marsh Hawk, 4; Osprey, 3; Sparrow Hawk, 3; Limpkin, 2; King Rail, 5; Sora, 2; Florida Gallinule, 11; Am. Coot, 6; Killdeer, 16; **White-winged Dove,** 1 (seen perched at 50 ft., then in flight; broad white wing patch and rounded tail with white band noted; observers familiar with the species—L.A.S., D.P.); Ground Dove, 2; Barn Owl, 2; Barred Owl, 5; Belted Kingfisher, 124; Yellow-shafted Flicker, 10; Pileated Woodpecker, 6; Red-bellied Woodpecker, 61; Yellow-bellied Sapsucker, 1; Downy Woodpecker, 2; Crested Flycatcher, 11; Eastern Phoebe, 28; Tree Swallow, 207; Blue Jay, 2; Am. Crow, 75; Tufted Titmouse, 9; House Wren, 30; Carolina Wren, 38; Mockingbird, 32; Catbird, 8; Eastern Bluebird, 15; Blue-gray Gnatcatcher, 109; Loggerhead Shrike, 2; White-eyed Vireo, 7; Solitary Vireo, 2; Black and White Warbler, 4; Orange-crowned Warbler, 5; Parula Warbler, 1; Myrtle Warbler, 17; Yellow-throated Warbler, 1; Pine Warbler, 14; Prairie Warbler, 3; Palm Warbler (Western), 90; Common Yellowthroat, 92; Eastern Meadowlark, 30; Red-winged Blackbird, 95; Boat-tailed Grackle, 88; Purple Grackle, 152; Cardinal, 51; Am. Goldfinch, 15; **Grasshopper Sparrow,** 1 (W.G.A., F.B.K., D.C., R.C., D.P., L.A.S.); Swamp Sparrow, 16. **Total,** 69 species; about 5226 individuals.—William G. Atwater, David Conkle, Richard Cunningham, Dorothy Dee, Eva S. Dickey, Frederick B. Kopf, Dennis Paulson, Louis A. Stimson, Thomas H. Tyson, Elizabeth Tyson (Dade Ornithologists and guests).

**185. Panacea, Fla.** (limits of circle as in previous years, but coverage somewhat different; Gulf beach 15%, bay shores 8%, fresh-water ponds 3%, Sopchoppy River (in canoe) 13%, fresh-water marshes 6%, salt marshes 11%, cypress-gum swamps 3%, cultivated fields 1%, pastures and old fields 4%, pine and mixed woods 15%, hardwood forests 19%, residential sections 2%).—Dec. 27; 6:30 a.m. to 6:40 p.m. Mostly clear; temp. (at Tallahassee) 41° to 57°; wind NNE, 10-25 m.p.h.; high wind adversely affected numbers of small birds seen. Eight observers in 5 parties. Total party-hours, 45 (37½ on foot, 1¾ by car, 5¾ by canoe); total party-miles, 84 (41 on foot, 37 by car, 6 by canoe). Common Loon, 33; Horned Grebe, 13; Pied-billed Grebe, 9; White Pelican, 1; Brown Pelican, 120; Double-crested Cormorant, 72; Water-turkey, 2; Great Blue Heron, 44; Am. Egret, 22; Snowy Egret, 3; Louisiana Heron, 18; Little Blue Heron, 5; Black-crowned Night Heron, 6; Canada Goose, 700; Black Duck, 35; Wood Duck, 1; Redhead, 15; Ring-necked Duck, 14; Lesser Scaup, 720; unidentified scaup, 75; Am. Golden-eye, 22; Buffle-head, 11; Hooded Merganser, 19; Am. Merganser, 1 (S.R.); Red-breasted Merganser, 30; Turkey Vulture, 30; Black Vulture, 4; Cooper's Hawk, 4; Red-tailed Hawk, 4; Red-shouldered Hawk, 1; Bald Eagle, 5; Marsh Hawk, 7; Sparrow Hawk, 6; Bob-white, 10; Clapper Rail, 3; Sora, 5; Am. Coot, 115; Piping Plover, 13; Snowy Plover, 24; Killdeer, 5; Black-bellied Plover, 20; Ruddy Turnstone, 6; Wilson's Snipe, 6; Spotted Sandpiper, 2; Willet, 6; Greater Yellow-legs, 2; Least Sandpiper, 5; Red-backed Sandpiper, 20; Semipalmated Sandpiper, 3; Sanderling, 120; Herring Gull, 125; Ring-billed Gull, 200; Laughing Gull, 12; Forster's Tern, 20; Royal Tern, 27; Caspian Tern, 2; Black Skimmer, 14; Mourning Dove, 33; Ground Dove, 25; Screech Owl, 1; Horned Owl, 3; Barred Owl, 2; Short-eared Owl, 1 (H.S.); Belted Kingfisher, 11; Yellow-shafted Flicker, 11; Pileated Woodpecker, 2; Red-bellied Woodpecker, 10; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 4; Hairy Woodpecker, 2; Downy Woodpecker, 6; Red-cockaded Woodpecker, 3; Eastern Phoebe, 15; Tree Swallow, 1075; Blue Jay, 13; Am. Crow, 38; Fish Crow, 3; unidentified crows, 400; Carolina Chickadee, 46; Tufted Titmouse, 13; Brown-headed Nuthatch, 14; Brown Creeper, 1; House Wren, 19; Carolina Wren, 12; Long-billed Marsh Wren, 20; Short-billed Marsh Wren, 7; Mockingbird, 23; Catbird, 2; Brown Thrasher, 8; Am. Robin, 435; Eastern Bluebird, 45; Blue-gray Gnatcatcher, 3; Ruby-crowned Kinglet, 61;

Water Pipit, 9; Cedar Waxwing, 6; Loggerhead Shrike, 3; Solitary Vireo, 1; Orange-crowned Warbler, 4; Myrtle Warbler, 150; Yellow-throated Warbler, 1; Pine Warbler, 16; Palm Warbler, 43 (2 races); Common Yellowthroat, 8; House Sparrow, 10; Eastern Meadowlark, 65; Red-winged Blackbird, 350; Boat-tailed Grackle, 22; Purple Grackle, 7; Cardinal, 29; Am. Goldfinch, 170; Eastern Towhee, 43; Savannah Sparrow, 22; Sharp-tailed Sparrow, 10; Seaside Sparrow, 4; Vesper Sparrow, 2; Pine-woods Sparrow, 2; Chipping Sparrow, 40; Field Sparrow, 20; White-throated Sparrow, 34; Swamp Sparrow, 15; Song Sparrow, 18. **Total,** 119 species (1 additional subspecies); about 6289 individuals. (Seen in area Dec. 16: White-crowned Sparrow, 1 im.)—William Cross, Edgar Evans, John MacGowan, Mr. and Mrs. Leon Neel, Stephen M. Russell, Henry M. Stevenson, Richard West.

**186. Paradise Key, Everglades National Park, Fla.** (same as previous years; pine woods 22%, marsh 30%, open glades 31%, hammock 17%).—Dec. 29; 6:30 a.m. to 6 p.m. Clear; temp. 68° to 77°; wind in p.m., E, 10 m.p.h. Sixteen observers in 6 parties. Total party-hours, 46 (37 on foot, 9 by car); total party-miles, 93 (35 on foot, 58 by car). Pied-billed Grebe, 5; Double-crested Cormorant, 8; Water-turkey, 25; Great Blue Heron (Ward's), 16; Am. Egret, 25; Snowy Egret, 12; Louisiana Heron, 22; Little Blue Heron, 32; Green Heron, 9; Black-crowned Night Heron, 5; Am. Bittern, 1; Wood Ibis, 16; White Ibis, 41; Mottled Duck (Florida), 2; Turkey Vulture, 256; Black Vulture, 61; Sharp-shinned Hawk, 2; Red-tailed Hawk, 4; Red-shouldered Hawk, 28; Short-tailed Hawk, 1 (W.G.A., W.B.R., D.J.); Bald Eagle, 1; Marsh Hawk, 14; Sparrow Hawk, 13; Bob-white, 4; Limpkin, 3; Sora, 5; Purple Gallinule, 7; Florida Gallinule, 29; Am. Coot, 16; Killdeer, 136; Mourning Dove, 1; Ground Dove, 1; Barred Owl, 3; Whip-poor-will, 1 (L.A.S., D.P.); Ruby-throated Hummingbird, 1; Belted Kingfisher, 17; Yellow-shafted Flicker, 7; Pileated Woodpecker, 1; Red-bellied Woodpecker, 30; Downy Woodpecker, 6; Crested Flycatcher, 8; Eastern Phoebe, 33; Tree Swallow, 450 (400 est., 50); Blue Jay, 18; Am. Crow, 28; Tufted Titmouse, 1 (singing—L.A.S.); House Wren, 40; Carolina Wren, 16; Mockingbird, 46; Catbird, 33; Brown Thrasher, 1; Eastern Bluebird, 5; Blue-gray Gnatcatcher, 27; Ruby-crowned Kinglet, 1; Loggerhead Shrike, 11; White-eyed Vireo, 7; **Yellow-throated Vireo,** 1 (T.McI., B.B., G.S.); Solitary Vireo, 3; Orange-crowned Warbler, 2; Myrtle Warbler, 77; Yellow-throated Warbler, 2; Pine Warbler, 16; Prairie Warbler, 3; Palm Warbler (Western), 147; Common Yellowthroat, 76; Eastern Meadowlark, 80; Red-winged Blackbird, 164; Boat-tailed Grackle, 224; Purple Grackle, 12; Cardinal, 19; Am. Goldfinch, 19; Eastern Towhee (White-eyed), 22; Savannah Sparrow, 1; Grasshopper Sparrow, 3; Swamp Sparrow, 21. **Total,** 75 species; about 2484 individuals.—Wm. G. Atwater, Bernath Berkowitz, Guy P. Carmichael, Christine S. Carmichael, Douglas James, Thane E. McInnes, Robert T. Paine 3rd, Dennis Paulson, Wm. E. Rheney, Wm. B. Robertson, Dorothy P. Schwartz, George Sime, Wm. C. Steel, Louis A. Stimson (compiler), Thomas H. Tyson, Elizabeth R. Tyson (Tropical Audubon Society).

**187. Pensacola, Fla.** (same territory as for many years; city and suburban 10%, open bay and bay shores [largely by car] 25%, scrub oak 2%, mature live oak and deciduous woods 18%, pine woods 17%, pastures and cut-over woods [largely by car] 16%, wooded swamps 2%, fresh-water ponds 6%, salt marsh 1%, Gulf beach and dunes 3%).—Dec. 29; 7:30 a.m. to 5:15 p.m. Partly cloudy; temp. 55° to 66°; wind SW, 0-12 m.p.h.; ground bare. Nine observers in 3 parties. Total party-hours, 28 (13 on foot, 15 by car); total party-miles, 135 (10 on foot, 125 by car). Common Loon, 41; Horned Grebe, 167; Pied-billed Grebe, 23; Brown Pelican, 80; Double-crested Cormorant, 254; Great Blue Heron (Ward's), 7; Am. Egret, 1; Wood Duck, 1; Redhead, 700 (est., 1 flock); Lesser Scaup, 613 (flock of 600 est., 13); Am. Golden-eye, 11; Buffle-head, 14; Hooded Merganser, 5; Red-breasted Merganser, 41; Turkey Vulture, 1; Black Vulture, 12; Sharp-shinned Hawk, 2; Red-tailed Hawk, 1; Red-shouldered Hawk, 4; Bald Eagle, 1; Marsh Hawk, 2; Pigeon Hawk, 1; Sparrow Hawk, 10; Clapper Rail, 1; Am. Coot, 2; Piping Plover, 1; Snowy Plover (Cuban), 2; Killdeer, 29; Black-bellied Plover, 7; Wilson's Snipe, 4; Willet, 2; Red-backed Sandpiper, 1; Sanderling, 1; Herring Gull, 224; Ring-billed Gull, 323; Laughing Gull, 42; Bonaparte's Gull, 221; Forster's Tern, 14; Common Tern, 4; Royal Tern, 42; Black Skimmer, 11; Mourning Dove, 35; Belted Kingfisher, 10; Yellow-shafted Flicker, 25; Red-bellied Woodpecker, 13; Yellow-bellied Sapsucker, 2; Downy Woodpecker, 2; Red-cockaded Woodpecker, 2; Eastern Phoebe, 13; Blue Jay, 95; Am. Crow and Fish Crow, 123; Carolina Chickadee, 11; Tufted Titmouse, 43; Brown-headed Nuthatch, 4; House Wren, 8; Winter Wren, 2; Bewick's Wren, 3; Carolina Wren, 11; Mockingbird, 51; Catbird, 2; Brown Thrasher, 19; Am. Robin, 528 (300 est., 228); Hermit Thrush, 2; Eastern Bluebird, 14; Blue-gray Gnatcatcher, 16; Golden-crowned Kinglet, 3; Ruby-crowned Kinglet, 51; Water Pipit, 40; Cedar Waxwing, 492 (300 est., 192); Loggerhead Shrike, 24; Common Starling, 479 (200 est., 279); Solitary Vireo, 2; Black and White Warbler, 2; Orange-crowned Warbler, 9; Myrtle Warbler, 210; Pine Warbler, 39; Palm Warbler, 19 (both races identified); Common Yellowthroat, 5; House Sparrow, 61; Eastern Meadowlark, 60; Red-winged Blackbird, 2550 (2400 est., 150); Purple Grackle (Florida), 4; Cardinal, 20; Am. Goldfinch, 119; Eastern Towhee, 66 (including typical examples of Red-eyed and Alabama); Savannah Sparrow, 15; Seaside Sparrow, 6; Chipping Sparrow, 105; Field Sparrow, 29; White-throated Sparrow, 313; Swamp Sparrow, 13; Song Sparrow, 10. **Total,** 93 species (2 additional subspecies); about 8703 individuals. Also 1 non-flying, crippled Yellow-crowned Night Heron; this species does not winter under natural conditions.—Frank Bray, Lyman E. Goodnight, Charles J. Kahn, Angus M. McMillan, Jr., Lennie

E. Pate, Maleta M. Wernicke, Francis M. Weston (compiler), Geneva W. Weston, A. F. Wicke, Jr.

**188. St. Marks, Fla.** (limits of circle as in previous years, but Port Leon and other new areas added; bay shores 8%, fresh-water and brackish lakes and ponds 13%, Wakulla River (in canoe) 16%, fresh-water marshes 3%, salt marshes 6%, cypress-gum swamps 1%, pastures and old fields 6%, pine and mixed woods 24%, hardwood forests 18%, roadside (by car) 2%, residential sections 3%).—Dec. 29; 6:30 a.m. to 7 p.m. Partly cloudy to cloudy; temp. (at Tallahassee), 52° to 73°; wind SE, 3-12 m.p.h. Nine observers in 5 parties. Total party-hours, 54 (42½ on foot, 3 by car, 8½ by canoe); total party-miles, 95 (51 on foot, 32 by car, 12 by canoe). **Common Loon,** 26; **Horned Grebe,** 49; Pied-billed Grebe, 40; Brown Pelican, 4; Double-crested Cormorant, 160; Water-turkey, 36; Great Blue Heron, 27; Am. Egret, 217; Snowy Egret, 9; Louisiana Heron, 11; Little Blue Heron, 3; Black-crowned Night Heron, 4; Am. Bittern, 1; Canada Goose, 1700; Mallard, 77; Black Duck, 80; Gadwall, 70; Am. Widgeon, 55; Pintail, 350; Green-winged Teal, 70; Blue-winged Teal, 2; Shoveller, 33; Wood Duck, 20; Redhead, 48; Ring-necked Duck, 170; Canvas-back, 20; Lesser Scaup, 150; unidentified scaup, 600; Am. Golden-eye, 4; Buffle-head, 5; Ruddy Duck, 110; Hooded Merganser, 12; **Red-breasted Merganser,** 185; Turkey Vulture, 80; **Black Vulture,** 170; Sharp-shinned Hawk, 1; **Red-tailed Hawk,** 12; **Red-shouldered Hawk,** 14; Bald Eagle, 10; Marsh Hawk, 9; **Osprey,** 3 (R.W. and party); Sparrow Hawk, 7; Bob-white, 12; **Limpkin,** 10; Clapper Rail, 16; Virginia Rail, 2; **Sora,** 3; Florida Gallinule, 8; Am. Coot, 3400; Am. Oyster-catcher, 3; Ringed Plover, 23; Killdeer, 12; **Black-bellied Plover,** 50; **Ruddy Turnstone,** 160; **Am. Woodcock,** 3; Wilson's Snipe, 1; **Willet,** 200; Greater Yellow-legs, 6; Lesser Yellow-legs, 3; Least Sandpiper, 25; Red-backed Sandpiper, 300; Dowitcher, 45; **Semipalmated Sandpiper,** 200; Western Sandpiper, 10; Sanderling, 1 (J.D.); Herring Gull, 25; Ring-billed Gull, 50; Laughing Gull, 2; Forster's Tern, 7; **Royal Tern,** 2; Black Skimmer, 1; Mourning Dove, 17; Ground Dove, 6; **Horned Owl,** 5; **Barred Owl,** 8; Whip-poor-will, 1 (W.C., S.R.); Belted Kingfisher, 29; Yellow-shafted Flicker, 47; **Pileated Woodpecker,** 22; **Red-bellied Woodpecker,** 58; Red-headed Woodpecker, 8; Yellow-bellied Sapsucker, 8; Hairy Woodpecker, 4; Downy Woodpecker, 12; **Eastern Phoebe,** 58; Vermilion Flycatcher, 1; **Tree Swallow,** 1200; **Barn Swallow,** 1 (with Tree Swallows at Shell Point; flew low over water close to observer, who checked reddish under parts, dark collar, and deeply forked tail with 10x glasses—H.S.); Blue Jay, 41; **Am. Crow,** 82; Fish Crow, 4; unidentified crows, 15; **Carolina Chickadee,** 86; Tufted Titmouse, 42; Brown-headed Nuthatch, 18; **Brown Creeper,** 5; House Wren, 21; **Carolina Wren,** 45; **Long-billed Marsh Wren,** 28; **Short-billed Marsh Wren,** 12; Mockingbird, 53; **Catbird,** 23; **Brown Thrasher,** 27; **Am. Robin,** 1120; Hermit Thrush, 14; Eastern Bluebird, 74; Blue-gray Gnatcatcher, 13; **Golden-crowned Kinglet,** 16; Ruby-crowned Kinglet, 92; Water Pipit, 30; Cedar Waxwing, 40; Loggerhead Shrike, 13; Common Starling, 21; **Solitary Vireo,** 10; Black and White Warbler, 3; Orange-crowned Warbler, 3; Myrtle Warbler, 525; Yellow-throated Warbler, 1; Pine Warbler, 34; Palm Warbler, 40 (2 races); **Common Yellowthroat,** 46; House Sparrow, 15; **Eastern Meadowlark,** 70; Red-winged Blackbird, 1230; **Rusty Blackbird,** 40; Boat-tailed Grackle, 110; Purple Grackle, 20; Cardinal, 73; **Purple Finch,** 6; Am. Goldfinch, 55; **Eastern Towhee,** 125; **Savannah Sparrow,** 30; Grasshopper (?) Sparrow, 1 (may have been Leconte's or Henslow's—H.S.); Sharp-tailed Sparrow, 21; Seaside Sparrow, 18; Vesper Sparrow, 11; Pine-woods Sparrow, 1; Slate-colored Junco, 1; Chipping Sparrow, 22; **White-throated Sparrow,** 80; **Swamp Sparrow,** 57; **Song Sparrow,** 100. **Total,** 140 species (1 additional subspecies); about 15,402 individuals.—Cecil Bowers, William Cross, Ernest P. Edwards, Mr. and Mrs. J. L. DeLime, John MacGowan, Stephen M. Russell, Henry M. Stevenson, Richard West.

**189. St. Petersburg, Fla.** (area and types same as last year).—Dec. 26; 7 a.m. to 5:30 p.m. Fog till 11 a.m. and again from 4:30 on; temp. 62° to 75°; wind 0-5 m.p.h. Twenty-six observers in 9 parties. Total party-hours, 74 (51 on foot, 23 by car); total party-miles, 231 (36 on foot, 195 by car). Common Loon, 14; Horned Grebe, 25; Pied-billed Grebe, 8; Brown Pelican, 406; Double-crested Cormorant, 334; Water-turkey, 1; Man-o'-war-bird, 4; Great Blue Heron, 77; Am. Egret, 134; Snowy Egret, 50; Louisiana Heron, 74; Little Blue Heron, 158; Green Heron, 7; Black-crowned Night Heron, 1; Yellow-crowned Night Heron, 22; Wood Ibis, 10; White Ibis, 88; Pintail, 75; Shoveller, 8; Redhead, 1; Ring-necked Duck, 10; Canvas-back, 1; Greater Scaup, 2; Lesser Scaup, 1335; Ruddy Duck, 8; Red-breasted Merganser, 120; Turkey Vulture, 33; Black Vulture, 24; Cooper's Hawk, 1; Red-tailed Hawk, 3; Red-shouldered Hawk, 4; Bald Eagle, 16; Marsh Hawk, 8; Osprey, 1; Sparrow Hawk, 34; Bob-white, 75; Clapper Rail, 2; Florida Gallinule, 35; Am. Coot, 277; Piping Plover, 350; Ringed Plover, 475; Wilson's Plover, 70; Killdeer, 65; Black-bellied Plover, 88; Ruddy Turnstone, 399; Wilson's Snipe, 12; Spotted Sandpiper, 34; Solitary Sandpiper, 3; Willet, 402; Red Knot, 347; Least Sandpiper, 117; Red-backed Sandpiper, 66; Dowitcher, 258; Semipalmated Sandpiper, 825; Western Sandpiper, 50; Marbled Godwit, 9; Sanderling, 672; Herring Gull, 284; Ring-billed Gull, 2103; Laughing Gull, 245; Bonaparte's Gull, 1; Forster's Tern, 95; Common Tern, 10; Royal Tern, 509; Cabot's Tern, 204; Caspian Tern, 7; Black Skimmer, 1428; Mourning Dove, 506; Ground Dove, 58; Barred Owl, 1; Belted Kingfisher, 72; Yellow-shafted Flicker, 26; Red-bellied Woodpecker, 63; Yellow-bellied Sapsucker, 2; Downy Woodpecker, 1; Eastern Phoebe, 22; Tree Swallow, 15; Blue Jay, 50; Fish Crow, 119; Tufted Titmouse, 4; Brown-headed Nuthatch, 10; House Wren, 26; Carolina Wren, 9; Short-billed Marsh Wren, 3; Mockingbird, 176; Catbird, 11; Brown Thrasher, 1; Am. Robin, 5; Eastern

Bluebird, 72; Blue-gray Gnatcatcher, 48; Ruby-crowned Kinglet, 1; Water Pipit, 100; Loggerhead Shrike, 94; White-eyed Vireo, 4; Black and White Warbler, 4; Myrtle Warbler, 412; Yellow-throated Warbler, 23; Pine Warbler, 42; Prairie Warbler, 8; Palm Warbler, 108; Common Yellowthroat, 24; House Sparrow, 168; Eastern Meadowlark, 42; Red-winged Blackbird, 960; Boat-tailed Grackle, 334; Purple Grackle, 15; Cardinal, 48; Am. Goldfinch, 218; Eastern Towhee, 67; Savannah Sparrow, 6; Sharp-tailed Sparrow, 6; Chipping Sparrow, 6; White-throated Sparrow, 1; Song Sparrow, 1. **Total,** 114 species; about 16,604 individuals.—Mrs. Ammerman, Mr. and Mrs. G. W. Barker, Wm. Baxter, Mr. and Mrs. E. J. Buchwald, Mrs. K. Bullis, Marie Cobb, Lt. Col. and Mrs. H. B. Dawson, A. J. Dietrich, N. G. Greene, M. B. Hanrahan, Betty Henderson, Mrs. E. Henderson, E. F. Kelly, Christie Mason, Mary Lou Mills, R. H. Mills, Jr., D. M. Morrison, George Ralph, Mrs. R. Ralph, Molly Rutherford, A. Satterthwait, H. S. Slocum, E. L. Weenink.

**190. Steinhatchee Wildlife Management Area, Branford, Fla.** (7½-mile radius centering on Mill Creek; pine flatwoods 50%, turkey oak scrub 20%, hardwood hammock 15%, cypress-gum swamp 5%, and fresh-water marsh 10%).—Dec. 28; 7 a.m. to 6 p.m. Clear; temp. 35° to 70°; wind W, 3-5 m.p.h. Two observers in 1 party. Total party-hours, 11 (8 on foot, 3 by car); total party-miles, 61 (5 on foot, 56 by car). Pied-billed Grebe, 6; Double-crested Cormorant, 1; Water-turkey, 1; Great Blue Heron, 3; Am. Egret, 3; Snowy Egret, 1; Little Blue Heron, 14; Wood Duck, 8; Ring-necked Duck, 13; Turkey Vulture, 35; Black Vulture, 6; Sharp-shinned Hawk, 1; Red-shouldered Hawk, 6; Bald Eagle, 1; Sparrow Hawk, 2; Florida Gallinule, 2; Am. Coot, 15; Mourning Dove, 25; Ground Dove, 2; Barred Owl, 4; Belted Kingfisher, 4; Yellow-shafted Flicker, 2; Pileated Woodpecker, 4; Red-bellied Woodpecker, 2; Downy Woodpecker, 1; Red-cockaded Woodpecker, 2; Eastern Phoebe, 15; Blue Jay, 5; Am. Crow, 75; Carolina Chickadee, 2; Tufted Titmouse, 12; Brown-headed Nuthatch, 1; House Wren, 2; Carolina Wren, 5; Mockingbird, 5; Catbird, 4; Brown Thrasher, 2; Am. Robin, 1000 (est.); Eastern Bluebird, 15; Ruby-crowned Kinglet, 18; Common Starling, 1; Solitary Vireo, 5; Black and White Warbler, 1; Myrtle Warbler, 25; Yellow-throated Warbler, 2; Pine Warbler, 25; Palm Warbler, 15; Red-winged Blackbird, 30; Cardinal, 3; Am. Goldfinch, 75; Eastern Towhee, 6; Vesper Sparrow, 15; Slate-colored Junco, 1 (observed at close range with 7x35 binoculars, sitting on slash pine limb; S.B.F. quite familiar with juncos having observed them over a period of years in the North); White-throated Sparrow, 3; Song Sparrow, 1. **Total,** 55 species; 1533 individuals.—Steve B. Fickett, Jr., Dot Fickett (Southern Ornithological Society).

**191. Tallahassee, Fla.** (limits of circle as in 1948-50; Killearn Plantation substituted for Southwood Plantation, but coverage otherwise as in 1950; open shores of lakes and ponds 14%, wooded shores of lakes and ponds 18%, marshes 11%, cultivated fields 7%, pastures and old fields 17%, pine and mixed woods 14%, deciduous woods 13%, residential sections 3%, on lake in boat 3%).—Dec. 23; 6:50 a.m. to 6:30 p.m. Clear to cloudy; temp. 38° to 65°; wind NE, 2-12 m.p.h. Four observers in 3 parties. Total party-hours, 29½ (26¼ on foot, 2¼ by car, 1 in boat); total party-miles, 91 (32 on foot, 58 by car, 1 in boat). Horned Grebe, 9; Pied-billed Grebe, 52; **Double-crested Cormorant,** 290; Water-turkey, 1; Great Blue Heron, 14; Am. Egret, 35; Snowy Egret, 6; Louisiana Heron, 3; Am. Bittern, 1 (W.C.); Canada Goose, 250; Mallard, 4; **Gadwall,** 92; **Am. Widgeon,** 80; Pintail, 1; Green-winged Teal, 6; Blue-winged Teal, 9; **Shoveller,** 21; Wood Duck, 1; Ring-necked Duck, 500; Canvas-back, 1; **Lesser Scaup,** 35; Buffle-head, 6; Ruddy Duck, 180; **Hooded Merganser,** 4; Turkey Vulture, 8; Black Vulture, 41; Sharp-shinned Hawk, 1; Red-tailed Hawk, 7; Red-shouldered Hawk, 9; Bald Eagle, 1; Marsh Hawk, 4; **Sparrow Hawk,** 18; Bob-white, 20; Am. Coot, 1600; Killdeer, 127; **Am. Woodcock,** 1 (H.S.); Wilson's Snipe, 16; **Greater Yellow-legs,** 11; Lesser Yellow-legs, 1; Least Sandpiper, 45; Herring Gull, 4; Ring-billed Gull, 45; Forster's Tern, 2; Mourning Dove, 240; **Ground Dove,** 14; Horned Owl, 5; Belted Kingfisher, 12; Yellow-shafted Flicker, 49; **Pileated Woodpecker,** 12; **Red-bellied Woodpecker,** 42; Red-headed Woodpecker, 21; Yellow-bellied Sapsucker, 7; Hairy Woodpecker, 1; Downy Woodpecker, 8; **Red-cockaded Woodpecker,** 9; **Eastern Phoebe,** 46; Vermilion Flycatcher, 1 (W.C.); Tree Swallow, 37; Blue Jay, 71; Am. Crow, 94; Fish Crow, 1; Carolina Chickadee, 19; Tufted Titmouse, 13; Brown-headed Nuthatch, 7; **House Wren,** 46; Winter Wren, 2; Carolina Wren, 49; Long-billed Marsh Wren, 2; Short-billed Marsh Wren, 2; Mockingbird, 37; Brown Thrasher, 17; Am. Robin, 120; Hermit Thrush, 6; Eastern Bluebird, 46; Blue-gray Gnatcatcher, 9; Golden-crowned Kinglet, 8; Ruby-crowned Kinglet, 71; Water Pipit, 160; **Cedar Waxwing,** 55; Loggerhead Shrike, 17; Common Starling, 200; Solitary Vireo, 1; Black and White Warbler, 3; Orange-crowned Warbler, 7; Myrtle Warbler, 175; **Yellow-throated Warbler,** 5; **Pine Warbler,** 60; Palm Warbler, 75 (2 races); Common Yellowthroat, 24; House Sparrow, 60; Eastern Meadowlark, 110; Red-winged Blackbird, 140; Rusty Blackbird, 1; Purple Grackle, 40; **Brown-headed Cowbird,** 130; Cardinal, 78; Purple Finch, 5 (H.S.); **Am. Goldfinch,** 180; Eastern Towhee, 55; Savannah Sparrow, 13; Grasshopper Sparrow, 1 (W.C.); Henslow's Sparrow, 1 (H.S., S.C.); Vesper Sparrow, 50; Pine-woods Sparrow, 2; Chipping Sparrow, 40; Field Sparrow, 57; **White-crowned Sparrow,** 2 (W.C.); White-throated Sparrow, 110; Swamp Sparrow, 60; Song Sparrow, 47. **Total,** 110 species (1 additional subspecies); about 6650 individuals. (Seen in area Dec. 29: Turkey, 2.)—Sue Cates, William Cross, Henry M. Stevenson, Richard West.

**192. Titusville—Merritt Island, Fla.** (15-mile diameter, extending from Atlantic Ocean at Titusville Beach westward to point 3 miles W of Indian

River City; N-S diameter through Merritt Island—same area as covered in 1950 [*Fla. Nat.* 24 (4): 113-114]; beach 3%, lagoons and ponds with adjacent marsh lands 50%, pinelands 8%, scrub 4%, palmetto-deciduous growth 2%, Indian River shores 32%, town 1%).—Dec. 28; 6 a.m. to 5 p.m. Partly cloudy; temp 48° to 66°; wind SE, 1-12 m.p.h. Nine observers in 3 parties. Total party-hours, 30 (16 on foot, 14 by car); total party-miles, 90 (14 on foot, 76 by car). Common Loon, 4; Horned Grebe, 26; Pied-billed Grebe, 31; Brown Pelican, 88; Double-crested Cormorant, 247 (200 est., 47); Great Blue Heron, 27; Am. Egret, 34; Snowy Egret, 77; Louisiana Heron, 33; Little Blue Heron, 25; Am. Bittern, 3; Wood Ibis, 7; Mallard, 2; Mottled Duck, 7; Am. Widgeon, 21; Pintail, 41; Blue-winged Teal, 14; Ring-necked Duck, 10; Canvas-back, 17; scaup (sp.), 1735 (750 est., 985); Red-breasted Merganser, 2; Turkey Vulture, 35; Black Vulture, 14; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 4; Red-shouldered Hawk, 5; Bald Eagle, 8; Marsh Hawk, 14; Osprey, 1; Sparrow Hawk, 52; Bob-white, 40; Clapper Rail, 2; Sora, 6; Florida Gallinule, 5; Am. Coot, 1504 (1150 est., 354); Killdeer, 29; Black-bellied Plover, 16; Ruddy Turnstone, 36; Wilson's Snipe, 8; Greater Yellow-legs, 3; Lesser Yellow-legs, 1; Least Sandpiper, 10; Red-backed Sandpiper, 6; Sanderling, 41; Herring Gull, 70; Ring-billed Gull, 219; Laughing Gull, 4; Bonaparte's Gull, 19; Forster's Tern, 75 (est.); Royal Tern, 37; Caspian Tern, 9; Black Skimmer, 81; Mourning Dove, 4; Ground Dove, 6; Screech Owl (gray phase), 1; Barn Owl, 1; Belted Kingfisher, 28; Yellow-shafted Flicker, 18; Pileated Woodpecker, 1; Red-bellied Woodpecker, 18; Hairy Woodpecker, 2; Downy Woodpecker, 5; Eastern Phoebe, 39; Horned Lark, 1; Tree Swallow, 27; Blue Jay, 8; Scrub Jay, 43; Am. Crow, 2; Fish Crow, 354 (300 est., 54); House Wren, 6; Carolina Wren, 7; Long-billed Marsh Wren, 1; Mockingbird, 31; Catbird, 7; Brown Thrasher, 1; Am. Robin, 290; Eastern Bluebird, 6; Blue-gray Gnatcatcher, 3; Ruby-crowned Kinglet, 1; Loggerhead Shrike, 37; White-eyed Vireo, 1; Orange-crowned Warbler, 1; Myrtle Warbler, 211; Pine Warbler, 9; Palm Warbler, 25; Common Yellowthroat, 28; House Sparrow, 1; Eastern Meadowlark, 40; Red-winged Blackbird, 32; Boat-tailed Grackle, 107; Purple Grackle, 20; Cardinal, 14; Am. Goldfinch, 31; Eastern Towhee, 29; Savannah Sparrow, 9; Henslow's Sparrow, 4; Sharp-tailed Sparrow, 5 (1 Nelson's; 4 Common); Dusky Sparrow, 6; Chipping Sparrow, 7; Swamp Sparrow, 20; Song Sparrow, 5. **Total,** 102 species; about 6360 individuals.—Martha Baird, W. M. Davidson (compiler), Margaret Farrar, Mr. and Mrs. Robert Mason, Lucille Norton, Doris Thompson, Mr. and Mrs. W. Lewis.

**193. Ashland, Ohio** (regular area at Charles Mill Dam reservoir; deciduous woods 40%, waste fields 25%, cultivated fields 5%, marsh and bushy swamps 20%, roadsides 8%, pine plantings 2%).—Dec. 23; 7:45 a.m. to 4:45 p.m. Clear to slightly cloudy; temp. 22° to 35°; wind S to SW, 5-20 m.p.h.; ground and lake frozen, 6-in. crusted snow. Ten observers in 4 parties. Total party-hours, 25¾ (on foot); total party-miles, 27½ (on foot). Great Blue Heron, 1; Mallard, 1; Black Duck, 4; Lesser Scaup, 1; Goshawk, 1 (P.D.H.); Red-tailed Hawk, 1; Bald Eagle, 1; Marsh Hawk, 1; Bob-white, 151; Ring-necked Pheasant, 4; Killdeer, 4; Wilson's Snipe, 4; Mourning Dove, 3; Barred Owl, 1; Yellow-shafted Flicker, 2; Pileated Woodpecker, 1; Red-bellied Woodpecker, 12; Red-headed Woodpecker, 12; Hairy Woodpecker, 1; Downy Woodpecker, 40; Horned Lark, 11; Blue Jay, 23; Am. Crow, 3; Black-capped Chickadee, 47; Tufted Titmouse, 93; White-breasted Nuthatch, 43; Brown Creeper, 4; Carolina Wren, 1; Am. Robin, 2; Eastern Bluebird, 19; Common Starling, 63; House Sparrow, 178; Eastern Meadowlark, 2; Cardinal, 79; Am. Goldfinch, 14; Slate-colored Junco, 41; Am. Tree Sparrow, 320; Swamp Sparrow, 2; Song Sparrow, 63. **Total,** 39 species; about 1254 individuals. (Two unidentified ducks were seen.)—Robert Bell, Wakeman Bell, David Grindle, Paul D. Harwood, Burton C. Kahl, S. M. Martin, Maurice R. Newkirk, Paul Thornburg, Stephen Webster, Joe Yeagle.

**194. Ashtabula, Ohio** (Lake Erie shore and inland 5 miles from Ashtabula to Conneaut, same territory as for the last 17 years).—Dec. 27; 7 a.m. to 6 p.m. Mostly clear; temp. 8° to 20°; wind 5-25 m.p.h.; 5-8 in. of snow in the open, 8-15 in. in woodlands; Lake Erie mostly open except for a band of storm ice 100-500 yards wide and frequently piled higher than the breakwaters. Five observers in 3 parties. Total party-hours, 30 (25 on foot, 5 by car); total party-miles, 100 (30 on foot, 70 by car). Common Loon, 1; Double-crested Cormorant, 1; Whistling Swan, 4; Mallard, 4; Black Duck, 31; Green-winged Teal, 2; Redhead, 1; Lesser Scaup, 8; Am. Golden-eye, 310; Buffle-head, 51; Hooded Merganser, 1; Am. Merganser, 548; Cooper's Hawk, 2; Bald Eagle, 3; Sparrow Hawk, 2; Ruffed Grouse, 3; Bob-white, 1 (dead); Am. Coot, 1; Red-backed Sandpiper, 2 (dead—frozen in large block of drift ice); Great Black-backed Gull, 9; Herring Gull, 1375; Ring-billed Gull, 1; Mourning Dove, 1; Barred Owl, 1; Saw-whet Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 1; Pileated Woodpecker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 5; Horned Lark (Northern), 9; Blue Jay, 22; Am. Crow, 3; Black-capped Chickadee, 13; Tufted Titmouse, 1; Brown Creeper, 8; Golden-crowned Kinglet, 5; Common Starling, 201; House Sparrow, 219; Cardinal, 15; Am. Goldfinch, 6; Slate-colored Junco, 1; Am. Tree Sparrow, 34; Song Sparrow, 1; Snow Bunting, 8. **Total,** 45 species; 2919 individuals. Note the absence of nuthatches and thrushes and the scarcity of titmice, juncos and woodpeckers. (Seen on Dec. 26: Red-winged Blackbird, 1; Purple Grackle, 1; on Dec. 28: Greater Scaup, 24; Bonaparte's Gull, 2; Marsh Hawk, 1; White-breasted Nuthatch, 1; first week in January: Evening Grosbeak, Pine Grosbeak.)—William Davis, Lawrence E. Hicks (compiler), Ernie Limes, Milton B. Trautman, Henry Schuer.

**195. Brecksville, Ohio** (center point Ohio route #82 and Cuyahoga River, same territory as in last 2 years; deciduous woodland 50%, river valley 30%, open farmlands 15%, town suburbs 5%).—Dec. 30; 8 a.m. to 4 p.m. Intermittent rain all day, fog in a.m. and late p.m.; temp. 38° to 40°; no wind; 3-8 in. of old snow; river and most of canal open. Four observers in 3 parties. Total party-hours, 21 (16 on foot, 5 by car); total party-miles, 125 (25 on foot, 100 by car). Black Duck, 14; Am. Golden-eye, 44; Cooper's Hawk, 1; Red-tailed Hawk, 2; Bob-white, 2; Ring-necked Pheasant, 8; Belted Kingfisher, 2; Yellow-shafted Flicker, 1; Hairy Woodpecker, 5; Downy Woodpecker, 21; Blue Jay, 33; Am. Crow, 1; Black-capped Chickadee, 50; Tufted Titmouse, 27; White-breasted Nuthatch, 13; Brown Creeper, 4; Eastern Bluebird, 2; Golden-crowned Kinglet, 4; Common Starling, 63; House Sparrow, 109; Cardinal, 47; Pine Grosbeak, 1 (R.K.); Slate-colored Junco, 1; Am. Tree Sparrow, 18; Song Sparrow, 7. **Total,** 25 species; 480 individuals. (Adverse weather hindered greatly; note scarcity of juncos, tree sparrows, hawks and lack of several usual species.)—Don Hinman, Richard Klein, Jerry Piskac, Merit B. Skaggs.

**196. Buckeye Lake, Ohio** (about the same area as in the past 27 years; deciduous woodlands 60%, open farmland 30%, brushy swamp and cattail marsh 10%).—Dec. 23; 7 a.m. to 5 p.m. Clear; temp. 22° to 40°; wind S, 3-12 m.p.h.; ground 98% snow- or ice-covered, streams partly unfrozen, lake entirely frozen over. Eleven observers in 4 parties. Total party-hours, 40 (30 on foot, 10 by car); total party-miles, 162 (67 on foot, 95 by car). Mallard, 2; Black Duck, 18; Pintail, 1; Wood Duck, 1; Am. Merganser, 2; Cooper's Hawk, 4; Red-tailed Hawk, 7; Red-shouldered Hawk, 6; Rough-legged Hawk, 1; Marsh Hawk, 5; Pigeon Hawk, 1; Sparrow Hawk, 4; Bob-white, 65 (6 coveys); Ring-necked Pheasant, 12; Killdeer, 2; Herring Gull, 1; Mourning Dove, 42; Screech Owl, 1; Barred Owl, 4; Belted Kingfisher, 2; Yellow-shafted Flicker, 68; Pileated Woodpecker, 11; Red-bellied Woodpecker, 23; Red-headed Woodpecker, 30; Hairy Woodpecker, 18; Downy Woodpecker, 105; Horned Lark, 249; Blue Jay, 110; Am. Crow, 3; Carolina Chickadee, 133; Tufted Titmouse, 184; White-breasted Nuthatch, 110; Red-breasted Nuthatch, 3; Brown Creeper, 53; Winter Wren, 4; Carolina Wren, 9; Am. Robin, 3; Eastern Bluebird, 3; Golden-crowned Kinglet, 11; Cedar Waxwing, 7; Loggerhead Shrike, 1; Common Starling, 429; Myrtle Warbler, 3; House Sparrow, 2075; Eastern Meadowlark, 37; Red-winged Blackbird, 32; Rusty Blackbird, 4; Brown-headed Cowbird, 42; Cardinal, 307; Purple Finch, 3; Am. Goldfinch, 73; Eastern Towhee, 2; Vesper Sparrow, 1; Slate-colored Junco, 71; Am. Tree Sparrow, 184; Field Sparrow, 5; Swamp Sparrow, 2; Song Sparrow, 168; Lapland Longspur, 1; Snow Bunting, 12. **Total,** 60 species; 4770 individuals.—Harold E. Burtt, Audrey H. Claugus, William Goshen, Lawrence E. Hicks, Ernst O. Limes, Edwin E. Postle, Irvin B. Rickly, Henry Schuer, Paul A. Stewart, Milton B. Trautman, George S. Wolfram.

**197. Bucyrus, Ohio** (Kuehnle, Cook and Rexroth farms southeast of city to intersection of Mt. Vernon Rd. and Galion Rd.; mixed deciduous woods 45%, wooded bottomlands 40%, cultivated fields 10%, beech-maple climax woods 4%, pine-hemlock reforestation grove 1%).—Dec. 24; 8 a.m. to 4 p.m. Sunny to overcast; temp. 16° to 32°; wind W, less than 1 m.p.h.; ground covered with 6-in. crusted snow. Three observers in 2 parties. Total party-hours, 14 (12 on foot, 2 by car); total party-miles, 40 (10 on foot, 30 by car). Red-tailed Hawk, 4; Sparrow Hawk, 4; Bob-white, 24; Ring-necked Pheasant, 4; Mourning Dove, 85; Screech Owl, 1; Barred Owl, 1; Yellow-shafted Flicker, 6; Red-bellied Woodpecker, 10; Red-headed Woodpecker, 25; Hairy Woodpecker, 3; Downy Woodpecker, 9; Horned Lark, 21; Blue Jay, 26; Am. Crow, 2; Black-capped Chickadee, 4; Tufted Titmouse, 22; White-breasted Nuthatch, 30; Brown Creeper, 3; Common Starling, 111; House Sparrow, 250; Eastern Meadowlark, 14; Cardinal, 27; Am. Goldfinch, 10; Slate-colored Junco, 12; Am. Tree Sparrow, 44; Song Sparrow, 7. **Total,** 27 species; 759 individuals.—Chas. H. Kuehnle, Judith Ann Kuehnle, Paul F. Kuehnle.

**198. Cadiz, Ohio** (town environs, and 7 miles west, same general area as in past 51 years; open country 35%, deciduous woods 20%, brushy thickets 10%, fields 25%, Tappan Lake shore 10%).—Dec. 28; 7:30 a.m. to 5 p.m. Cloudy, dull; temp. 12° to 30°; wind WSW, 5 m.p.h.; crusted snow general after 3 weeks of cold and heavy snows. Five observers in 1 party. Total party-hours, 47½ (32½ on foot, 15 by car); total party-miles, 188 (18 on foot, 170 by car). Red-tailed Hawk, 3; Sparrow Hawk, 6; Ruffed Grouse, 2; Red-shafted Flicker, 5; Pileated Woodpecker, 1; Red-bellied Woodpecker, 7; Hairy Woodpecker, 2; Downy Woodpecker, 10; Horned Lark, 20; Blue Jay, 1; Am. Crow, 3; Carolina Chickadee, 12; Tufted Titmouse, 11; White-breasted Nuthatch, 6; Winter Wren, 1; Carolina Wren, 3; Eastern Bluebird, 8; Common Starling, 90; House Sparrow, 78; Eastern Meadowlark, 1; Cardinal, 28; Slate-colored Junco, 56; Am. Tree Sparrow, 120; Song Sparrow, 10. **Total,** 24 species; 484 individuals. (Goshawk seen in town at close range Dec. 29 by David E. Worley and Susan Shera.)—Harry B. McConnell, John G. Worley, Clara C. Worley, David E. Worley, Mary Ronsheim.

**199. Cincinnati, Ohio** (same area as last year).—Dec. 30; 7 a.m. to 6 p.m. Cloudy, rain (.05 inch), foggy; temp. 50° to 54°; wind SW, 0-10 m.p.h.; ponds frozen, rivers open, but valleys foggy. Fifty-eight observers in 7 parties. Total party-hours, 92 (80 on foot, 12 by car); total party-miles, 303 (87 on foot, 216 by car). Pied-billed Grebe, 1; Great Blue Heron, 2; Canada Goose, 16; Mallard, 57; Black Duck, 136; Lesser Scaup, 2; Am. Golden-eye, 22; Hooded Merganser, 5; Am. Merganser, 13; Sharp-shinned Hawk, 2; Cooper's Hawk, 3; Red-tailed Hawk, 2; Red-shouldered Hawk, 8; Marsh Hawk, 3; Sparrow Hawk, 12; Bob-white, 58 (6 coveys); Am. Coot, 3; Killdeer, 4; Herring Gull, 12;

Ring-billed Gull, 65; Mourning Dove, 173; Barn Owl, 4; Screech Owl, 1; **Horned Owl,** 1; Barred Owl, 4; Belted Kingfisher, 7; Yellow-shafted Flicker, 98; Red-bellied Woodpecker, 60; Red-headed Woodpecker, 79; Yellow-bellied Sapsucker, 5; Hairy Woodpecker, 30; Downy Woodpecker, 284; Horned Lark, 93; Blue Jay, 124; Am. Crow, 484; Carolina Chickadee, 872; Tufted Titmouse, 651; White-breasted Nuthatch, 8; Red-breasted Nuthatch, 2; Brown Creeper, 40; **House Wren,** 1; Carolina Wren, 194; Mockingbird, 17; Catbird, 1; Am. Robin, 45; Hermit Thrush, 1; Eastern Bluebird, 31; Golden-crowned Kinglet, 23; Cedar Waxwing, 6; Common Starling, 1699; Myrtle Warbler, 21; House Sparrow, 923; Eastern Meadowlark, 79; **Purple Grackle,** 2; Cardinal, 1323; Purple Finch, 18; Am. Goldfinch, 266; Eastern Towhee, 30; Slate-colored Junco, 479; Am. Tree Sparrow, 602; **Chipping Sparrow,** 4; Field Sparrow, 12; White-crowned Sparrow, 12; White-throated Sparrow, 12; Swamp Sparrow, 10; Song Sparrow, 360; Lapland Longspur, 1. **Total,** 67 species; 9618 individuals. (Seen in area Dec. 21: Red-breasted Merganser, 6; Brown Thrasher, 1.)—G. Acomb, G. R. Austing, M. L. Bagel, B. Benway, E. Braunecker, H. Brinkmann, L. Brinkmann, E. Brockschlager, J. R. Bunnell, R. Carpenter, C. Chambers, V. C. Coles, W. A. Dreyer, P. Feist, H. Field, T. Field, H. Forster, C. Glandorf, W. Goodpaster, Mr. and Mrs. J. L. Gottschang, F. Harbaum, W. Harbaum, P. X. Hellman, H. Johnstone, E. Kemsies, T. Kittredge, J. Lytle, D. Manfield, K. Maslowski, W. Mers, M. Naver, F. Neuffer, R. Oliver, Mr. and Mrs. F. W. Pape, R. L. Peters, W. Randle, C. Reichle, P. Reichle, S. M. Rowe, Sr., Mr. and Mrs. S. M. Rowe, Jr., M. L. Rosegay, G. Simons, Mr. and Mrs. S. E. Sjodahl, A. Stephenson, B. Stephenson, H. Stephenson, I. C. Suttman, Rev. C. J. Taylor, Mr. and Mrs. J. W. Taylor, W. I. Upson, P. Vitz, D. Werner, J. Zimmerman.

**200. Cleveland, Ohio** (same as last year).—Dec. 29; 7 a.m. to 5 p.m. Overcast, intermittent showers; temp. 35° to 42°; wind SW to S, 5 m.p.h.; ground covered with 1-2 feet crusted snow. Twenty-five observers in 14 parties. Total party-hours, 77½ (30½ on foot, 47 by car); total party-miles, 458 (60 on foot, 398 by car). Great Blue Heron, 1; Mallard, 51; Black Duck, 158; Redhead, 2; Greater Scaup, 30; Lesser Scaup, 25; Am. Golden-eye, 63; Buffle-head, 8; White-winged Scoter, 1; Ruddy Duck, 1; Am. Merganser, 355; Red-breasted Merganser, 2; Sharp-shinned Hawk, 1; Cooper's Hawk, 7; Red-tailed Hawk, 3; Red-shouldered Hawk, 2; Rough-legged Hawk, 2; Sparrow Hawk, 2; Ruffed Grouse, 1; Bob-white, 55; Ring-necked Pheasant, 4; Herring Gull, 390; Ring-billed Gull, 118; Bonaparte's Gull, 3; Mourning Dove, 8; Belted Kingfisher, 1; Yellow-shafted Flicker, 3; Red-bellied Woodpecker, 3; Hairy Woodpecker, 20; Downy Woodpecker, 79; Blue Jay, 138; Am. Crow, 3; Black-capped Chickadee, 270; Tufted Titmouse, 76; White-breasted Nuthatch, 127; Red-breasted Nuthatch, 4; Brown Creeper, 5; Winter Wren, 1; Carolina Wren, 1; Brown Thrasher, 1; Am. Robin, 3; Eastern Bluebird, 1; Golden-crowned Kinglet, 14; Common Starling, 381; House Sparrow, 1350; Cardinal, 183; Evening Grosbeak, 30; Purple Finch, 1; Pine Grosbeak, 21; Am. Goldfinch, 5; Eastern Towhee, 2; Slate-colored Junco, 99; Am. Tree Sparrow, 88; Song Sparrow, 23. **Total,** 54 species; 4226 individuals.—James Akers, L. P. Barbour, Mrs. R. S. Booth, Vera Carrothers, C. T. Downer, James Gebhart, Marion Gebhart, U. A. Hengesbach, R. W. Hill, Rudolph Kula, Lucille Mannix, Howard Martin, Ronald Marvin, Mary Oliver, Margaret Perner, Jerry Piskac, Marjorie Ramisch, Warner Seely, Mrs. Frances Sherwin, Raymond Smiley, Paul Smith, David Swetland, Clark Tefft, Ira Watts, Mrs. Lida Whittier (Kirtland Bird Club).

**201. Cuyahoga Falls, Ohio** (same area as last year).—Dec. 30; 8 a.m. to 4:30 p.m. Fog, lifted by noon; cloudy and intermittent light showers all day; temp. 40° to 42°; wind NE, 5-8 m.p.h.; sev. inches melting snow and ice over most of ground; Summit Lake and Cuyahoga River open. Twenty-two observers in 12 parties. Total party-hours, 49 (45 on foot, 4 by car); total party-miles, 97 (20 on foot, 77 by car). Horned Grebe, 2; Pied-billed Grebe, 2; Great Blue Heron, 2; Mallard, 4; Black Duck, 93; Am. Widgeon, 15; Blue-winged Teal, 2; Redhead, 18; Canvas-back, 2; Lesser Scaup, 4; Am. Golden-eye, 25; Ruddy Duck, 6; Hooded Merganser, 4; Red-breasted Merganser, 2; Red-tailed Hawk, 1; Marsh Hawk, 1; Bob-white, 42; Ring-necked Pheasant, 41; Am. Coot, 8; Herring Gull, 3; Ring-billed Gull, 18; Mourning Dove, 1; Screech Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 4; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 9; Downy Woodpecker, 17; Blue Jay, 72; Am. Crow, 3; Black-capped Chickadee, 95; Tufted Titmouse, 30; White-breasted Nuthatch, 35; Red-breasted Nuthatch, 1; Brown Creeper, 1; Winter Wren, 1; Catbird, 1; Brown Thrasher, 1; Am. Robin, 3; Golden-crowned Kinglet, 2; Cedar Waxwing, 16; Common Starling, 378; House Sparrow, 649; Baltimore Oriole, 1; Cardinal, 157; Pine Grosbeak, 3; Am. Goldfinch, 2; Eastern Towhee, 1; Slate-colored Junco, 39; Am. Tree Sparrow, 62; Field Sparrow, 6; Song Sparrow, 23. **Total,** 52 species; 1911 individuals. (Pine Grosbeaks have been in area since Nov. 30.)—Ralph W. Dexter (compiler), Daniel Falkner, Mrs. Laurence Fulmer, C. F. Gibbs, Mrs. E. R. Gibson, Mrs. Louis Greene, Stanley Guise, Mrs. Paul Hughey, Mrs. Donato Internoscia, Mrs. John Liska, Maurice Obenauf, Gertrude Rennecker, Marie Roetzel, H. L. Rupert, Fred Smith, Martin Smith, Mrs. Ruth Snyder, Mr. and Mrs. Fred Steiger, James Thorpe, Mr. and Mrs. George Wiley (Cuyahoga Falls—Akron Audubon Club).

**202. Dayton, Ohio** (nearly same areas as in past 22 years; woodland park 30%, stream banks 20%, wooded residential 15%, roadside fields and thickets 30%, evergreen plantations 5%).—Dec. 30; 7 a.m. to 5 p.m. Heavy fog; misty rain in p.m.; temp. 42° to 47°; wind SW to W to E, 2-10 m.p.h.; ground partly snow covered, firm; ponds frozen, rivers rising, floating ice. Thirty observers in 7 parties. Total

party-hours, 55 (37 on foot, 8 by car, 10 at feeding station); total party-miles, 146; (31 on foot, 115 by car). Mallard, 41; Black Duck, 21; Lesser Scaup, 8; Am. Golden-eye, 18; Cooper's Hawk, 1; Red-tailed Hawk, 2; Marsh Hawk, 2; Sparrow Hawk, 1; Bob-white, 18; Ring-necked Pheasant, 22; Herring Gull, 1; Mourning Dove, 16; Barn Owl, 4; Screech Owl, 2; Belted Kingfisher, 4; Yellow-shafted Flicker, 4; Red-bellied Woodpecker, 1; Red-headed Woodpecker, 1; Hairy Woodpecker, 10; Downy Woodpecker, 101; Blue Jay, 36; Am. Crow, 767; Black-capped Chickadee, 38 (C.O.H.); Carolina Chickadee, 89; Tufted Titmouse, 70; White-breasted Nuthatch, 25; Red-breasted Nuthatch, 1; Brown Creeper, 48; Winter Wren, 4; Carolina Wren, 19; Mockingbird, 1; Am. Robin, 2; Golden-crowned Kinglet, 3; Cedar Waxwing, 2; Common Starling, 292; House Sparrow, 416; Purple Grackle, 4; Cardinal, 245; Am. Goldfinch, 22; Eastern Towhee, 2; Slate-colored Junco, 130; Am. Tree Sparrow, 120; Song Sparrow, 105. **Total,** 43 species; 2719 individuals.—H. Bielstine, F. Betz, B. J. Blincoe (compiler), E. S. Blincoe, J. Blincoe, C. Breisch, N. Bright, D. Eikenbary, E. Grill, C. Hadeler, C. O. Horst, J. Lambert, D. Lee, K. Meyers, R. Reussenzehn, E. Ruhl, B. H. Smith, E. Smith, G. Smith, D. Scholey, H. Scholey, R. Scholey, D. L. Sollenberger, A. H. Sollenberger, H. T. Tweedie, A. Tuhey; Scouts: Caylor, Hummel, Jones, Moore (Dayton Audubon Society).

**203. Delaware, Ohio** (approximately same route as last 2 years; 8 miles of Olentangy R. and Whetstone Cr. now impounded to form Delaware Reservoir; open farmland 25%, deciduous woods 25%, stream banks and bottoms 15%, lake shore 15%, roadsides and hedges 20%).—Dec. 27; 8:30 a.m. to 5 p.m. Clear; temp. 11° to 28°; wind SW, 2-8 m.p.h.; ground covered by 4-in. crusted snow; lake frozen; streams open. Twelve observers in 5 parties. Total party-hours, 38 (37 on foot, 1 by car); total party-miles, 59 (47 on foot, 12 by car). Great Blue Heron, 1; Mallard, 2; Cooper's Hawk, 1; Red-tailed Hawk, 3; Rough-legged Hawk, 2; Marsh Hawk, 4; Bob-white, 70 (42 est., 38); Ring-necked Pheasant, 69; Herring Gull, 3; Mourning Dove, 11; Yellow-shafted Flicker, 6; Red-bellied Woodpecker, 12; Red-headed Woodpecker, 1; Hairy Woodpecker, 9; Downy Woodpecker, 46; Horned Lark, 2; Blue Jay, 58; Am. Crow, 2; Carolina Chickadee, 56; Tufted Titmouse, 45; White-breasted Nuthatch, 53; Brown Creeper, 9; Carolina Wren, 6; Mockingbird, 1; Eastern Bluebird, 1; Golden-crowned Kinglet, 1; Common Starling, 73 (28 est., 45); House Sparrow, 456 (286 est., 170); Eastern Meadowlark, 1; Cardinal, 82; Am. Goldfinch, 41 (20 est., 21); Slate-colored Junco, 17; Am. Tree Sparrow, 132 (85 est., 47); Song Sparrow, 75. **Total,** 34 species; about 1351 individuals.—Hannah Bonsey, G. W. Cox, G. H. Crowl, Sr., G. H. Crowl, Jr., Barbara Cruikshank, B. A. Foote, J. L. Goble, J. H. Lancaster, J. L. Shover, W. D. Stull (compiler), D. A. Suthers, R. A. Suthers.

**204. Findlay, Ohio** (5-mile radius from Findlay covering the same area as covered in the 48th count and previous years; pasture 10%, evergreen plantation 25%, marsh 20%, second growth deciduous timber 25%, river margins 20%).—Dec. 29; 8:30 a.m. to 4:30 p.m. Overcast; temp. 34° to 42°; wind S, 5 m.p.h.; 5 in. of crusted snow, mist 1/16 in. during day; river open and flooded, marshes, quarries and reservoir frozen. Twelve observers in 2 parties. Total party-hours, 14 (11 on foot, 3 by car); total party-miles, 65 (30 on foot, 35 by car). Great Blue Heron, 1; Black Duck, 12; Cooper's Hawk, 2; Red-tailed Hawk, 1; Marsh Hawk, 1; Ring-necked Pheasant, 61; Mourning Dove, 3; Belted Kingfisher, 2; Yellow-shafted Flicker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 8; Blue Jay, 22; Am. Crow, 10; Black-capped Chickadee, 17; Tufted Titmouse, 15; White-breasted Nuthatch, 19; Brown Creeper, 16; Winter Wren, 1; Common Starling, 52; House Sparrow, 150; Cardinal, 31; Am. Goldfinch, 4; Slate-colored Junco, 14; Am. Tree Sparrow, 8; Song Sparrow, 5. **Total,** 25 species; 457 individuals.—Delbert Cameron, Billy DeVore, Dan Dindal, Harold Edens, Darwin Hartman, Raymon Johnson, R. S. Phillips, Mr. and Mrs. Richard Reed, Dan Rose, Roy Schmunk, Jerry Stevenson (sponsored by the Findlay College Nature Society).

**205. Hamilton, Ohio** (same area as last 32 years).—Dec. 23; 8 a.m. to 5 p.m. Clear; temp. 19° to 40°; wind SW to W, 15-20 m.p.h.; ground covered with 4-in. snow, ice coated. Two observers in 1 party. Total party-hours, 9 (5½ on foot, 3½ by car); total party-miles, 23 (8 on foot, 15 by car). Mallard, 23; Black Duck, 5; Canvas-back, 3; Greater Scaup, 15; Am. Golden-eye, 10; Hooded Merganser, 2; Am. Merganser, 2; Cooper's Hawk, 1; Red-tailed Hawk, 2; Red-shouldered Hawk, 1; Marsh Hawk, 4; Sparrow Hawk, 3; Bob-white, 16; Ring-billed Gull, 2; Mourning Dove, 30; Barred Owl, 1; Yellow-shafted Flicker, 7; Red-bellied Woodpecker, 3; Hairy Woodpecker, 2; Downy Woodpecker, 26; Horned Lark, 15; Blue Jay, 7; Am. Crow, 308; Carolina Chickadee, 44; Tufted Titmouse, 26; White-breasted Nuthatch, 1; Brown Creeper, 6; Carolina Wren, 5; Mockingbird, 2; Common Starling, 2000; House Sparrow, 360; Cardinal, 66; Slate-colored Junco, 35; Am. Tree Sparrow, 80; Song Sparrow, 42. **Total,** 35 species; 3155 individuals.—Frank Harbaum, Willis Harbaum.

**206. Lakewood, Ohio** (along Lake Erie from Edgewater Park to Rocky River Park; Rocky River Metropolitan Park from Trailside Museum to the mouth of the river; Clague Park; Westlake, Ohio; residential areas in Lakewood, Rocky River, and Fairview Park; lake-front and city parks on lake front 33%, Rocky River Valley 46%, Clague Park 7%, residential areas 14%).—Dec. 24; 7:40 a.m. to 4:40 p.m. Sunny with occasional clouds covering the sun; no precipitation; temp. 25° to 34°; wind NW, 7-15 m.p.h. along lake; 1-7 m.p.h. away from lake; ground with an average covering of ice and snow of 5 to 6 in.; Rocky River mostly open; Lake Erie largely covered with thin ice; small patches of open water in Lake Erie where the swells had broken up the ice; an ice jam along lower 2 miles of Rocky River. Seven

observers in 1 party. Total party-hours, 9 (6½ on foot, 2½ by car); total party-miles, 44 (4 on foot, 40 by car). Mallard, 12; Black Duck, 12; Lesser Scaup, 150; Am. Golden-eye, 240; Buffle-head, 10; Am. Merganser, 86; Red-breasted Merganser, 46; Cooper's Hawk, 1; Ring-necked Pheasant, 13; Great Black-backed Gull, 3; Herring Gull, 800 (est.); Ring-billed Gull, 689 (650 est., 39); Yellow-shafted Flicker, 1; Red-headed Woodpecker, 1; Downy Woodpecker, 13; Blue Jay, 25; Am. Crow, 12; Black-capped Chickadee, 28; Tufted Titmouse, 10; White-breasted Nuthatch, 9; Brown Creeper, 1; Common Starling, 40; House Sparrow, 112; Brown-headed Cowbird, 1 (at feeding station in Fairview Park—M.P.S.); Cardinal, 31; Am. Goldfinch, 10; Eastern Towhee, 1 (at feeding station in Fairview Park—M.P.S.); Slate-colored Junco, 10; Am. Tree Sparrow, 4; Song Sparrow, 5. **Total,** 30 species; about 2376 individuals.—Fred J. Ackermann, Carl Baier, Mrs. Owen J. Davies, Myron Owen Davies (compiler), Florence Gray, Marian P. Schutler, Carol Stover (Cleveland Bird Club).

**207. Lancaster, Ohio** (3-mile radius centering on Broad and Main Sts.; same route as previous 27 years; farmland 19%, deciduous woods 35%, stream banks 31%, city suburbs 15%).—Dec. 23; 8:20 a.m. to 5 p.m. Clear; temp. 24° to 34°; wind SSE to SW, 10-18 m.p.h.; ground covered with 4-in. crusted snow. Eight observers in 4 parties. Total party-hours, 47 (44 on foot, 3 by car); total party-miles, 84 (60 on foot, 24 by car). Turkey Vulture, 2; Cooper's Hawk, 1; Sparrow Hawk, 2; Bob-white, 12; Ring-necked Pheasant, 8; Mourning Dove, 7; Barred Owl, 1; Yellow-shafted Flicker, 15; Red-bellied Woodpecker, 3; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 5; Downy Woodpecker, 56; Blue Jay, 50; Am. Crow, 1; Carolina Chickadee, 49; Tufted Titmouse, 45; White-breasted Nuthatch, 33; Brown Creeper, 7; Winter Wren, 1; Carolina Wren, 7; Eastern Bluebird, 7; Gray Shrike, 1; Common Starling, 138; House Sparrow, 246; Purple Grackle, 1; Cardinal, 213; Am. Goldfinch, 2; Slate-colored Junco, 164; Am. Tree Sparrow, 83; White-throated Sparrow, 2; Song Sparrow, 118. **Total,** 31 species; 1281 individuals.—Florence Branum, Keith Brengman, Chas. R. Goslin, Louis Kitz, Paul J. Miller, Philip Shaeffer, Chas. H. Shaw, Edgar Work, Jr.

**208. Mohican State Forest, Ohio** (same area as in previous years with the addition of a cattail marsh along the Black Fork 2 miles north of Perrysville and along Pine Run south to State Route #3. Clear Fork and Black Fork Rivers were also included for a distance of 1 mile south of Route #3).—Dec. 22; 8:30 a.m. to 5 p.m. Clear; temp. 10° to 23°; wind W, 5-35 m.p.h.; crusted snow 6-24 in. deep; lake entirely frozen over, rivers free of ice. Four observers in 3 parties. Total party-hours, 24 (20 on foot, 4 by car); total party-miles, 40 (20 on foot, 20 by car). Mallard, 74; Black Duck, 290 (est.); Gadwall, 4; Wood Duck, 1; Am. Golden-eye, 4; Am. Merganser, 1; Red-tailed Hawk, 2; Marsh Hawk, 1; Ruffed Grouse, 2; Bob-white, 9; Ring-necked Pheasant, 1; Belted Kingfisher, 3; Yellow-shafted Flicker, 9; Pileated Woodpecker, 5; Red-bellied Woodpecker, 10; Hairy Woodpecker, 4; Downy Woodpecker, 18; Horned Lark, 25 (est.); Blue Jay, 65; Carolina Chickadee, 31; Tufted Titmouse, 57; White-breasted Nuthatch, 13; Red-breasted Nuthatch, 2; Brown Creeper, 4; Winter Wren, 1; Carolina Wren, 5; Am. Robin, 1; Eastern Bluebird, 1; Ruby-crowned Kinglet, 1 (P.J.H.); Common Starling, 8; House Sparrow, 615 (est.); Eastern Meadowlark, 2; Brown-headed Cowbird, 8; Cardinal, 67; Am. Goldfinch, 1; Slate-colored Junco, 118; Am. Tree Sparrow, 83; Song Sparrow, 14; Lapland Longspur, 3. **Total,** 39 species; approximately 1563 individuals.—James A. Bruce (compiler), Philip J. Holmes, Paul A. Stewart, Charles L. Williams, Jr.

**209. Oxford, Ohio** (approximately same area as in previous years; creek and brook margins 45%, mature woodland 20%, open fields 15%, roadsides 10%, urban areas 10%).—Dec. 27; 8 a.m. to 5 p.m. Clear; temp. 8° to 30°; wind NW, very slight; ground covered by 5-in. crusted snow, streams partly open. Fourteen observers in 4 parties. Total party-hours, 25 (23 on foot, 2 by car); total party-miles, 23 (20 on foot, 3 by car). Cooper's Hawk, 3; Red-tailed Hawk, 2; Marsh Hawk, 6; Sparrow Hawk, 2; Bob-white, 35; Ring-necked Pheasant, 1; Mourning Dove, 17; Barred Owl, 2; Short-eared Owl, 1; Yellow-shafted Flicker, 11; Red-bellied Woodpecker, 12; Hairy Woodpecker, 7; Downy Woodpecker, 46; Horned Lark, 22; Blue Jay, 19; Am. Crow, 159; Carolina Chickadee, 70; Tufted Titmouse, 57; White-breasted Nuthatch, 21; Red-breasted Nuthatch, 5; Brown Creeper, 2; Carolina Wren, 6; Mockingbird, 1; Eastern Bluebird, 1; Common Starling, 64; House Sparrow, 217; Cardinal, 64; Am. Goldfinch, 1; Slate-colored Junco, 34; Am. Tree Sparrow, 29; White-crowned Sparrow, 2; White-throated Sparrow, 1; Song Sparrow, 52. **Total,** 33 species; 972 individuals.—Carl Boesel, Mr. and Mrs. M. W. Boesel, Conrad Fruhan, Mr. and Mrs. R. A. Hefner, Paul Hersey, E. M. Ingersoll, David Logan, Mrs. Paul Logan, Lawrence Mettler, R. L. Strecker, George Whitsel, John Whitsel.

**210. Portsmouth, Ohio** (same territory as last year).—Dec. 27; 7:30 a.m. to 6 p.m. Clear; temp. 20° to 30°; wind N, 3 m.p.h.; ponds frozen over, streams open. Fourteen observers in 3 parties. Total party-hours, 28 (26 on foot, 2 by car); total party-miles, 44 (12 on foot, 32 by car). Mallard, 265; Black Duck, 1200 (est.); Lesser Scaup, 20; Am. Golden-eye, 45; Buffle-head, 1; Am. Merganser, 1; Cooper's Hawk, 1; Red-tailed Hawk, 7; Red-shouldered Hawk, 6; Bald Eagle, 1; Marsh Hawk, 8; Sparrow Hawk, 14; Bob-white, 44; Herring Gull, 16; Ring-billed Gull, 8; Mourning Dove, 20; Screech Owl, 2; Barred Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 4; Red-bellied Woodpecker, 11; Red-headed Woodpecker, 3; Yellow-bellied Sapsucker, 5; Hairy Woodpecker, 5; Downy Woodpecker, 36; Horned Lark, 1; Blue Jay, 64; Am. Crow, 5000 (est.); Carolina Chickadee, 52; Tufted Titmouse,

31; White-breasted Nuthatch, 12; Red-breasted Nuthatch, 2; Brown Creeper, 18; Winter Wren, 1; Carolina Wren, 26; Eastern Bluebird, 8; Golden-crowned Kinglet, 4; Cedar Waxwing, 3; Common Starling, 500 (est.); House Sparrow, 85; Eastern Meadowlark, 1; Red-winged Blackbird, 24; Rusty Blackbird, 1; Purple Grackle, 2; Brown-headed Cowbird, 12; Cardinal, 302; Evening Grosbeak, 2; Purple Finch, 6; Am. Goldfinch, 63; Eastern Towhee, 21; Slate-colored Junco, 86; Am. Tree Sparrow, 447; Chipping Sparrow, 1; Field Sparrow, 15; White-crowned Sparrow, 8; White-throated Sparrow, 10; Fox Sparrow, 1; Song Sparrow, 62. **Total,** 58 species; 8597 individuals.—George R. Barry, George R. Barry, Jr., Floyd B. Chapman, James Donaldson, Thomas Gallauger, William M. Gilbert, Gustav Hall, Earl C. Hayes, Joe Meara, Terry O. Rife, Conrad Roth, Dave Sharer, I. H. Weaver, Mrs. I. H. Weaver.

211. **Salem, Ohio** (along Middle Fork of Little Beaver Creek from New Albany to Lisbon and from Concord to Salem; open marsh and farmland 5%, wooded valley 95%).—Dec. 23; 8 a.m. to 5:30 p.m. Slightly cloudy to clear; temp. 24° to 40°; wind S to W, 4-17 m.p.h.; 2-8 in. snow; about half of creek frozen. Six observers in 3 parties. Total party-hours, 26 (on foot); total party-miles, 33 (on foot). Great Blue Heron, 1; Black Duck, 1; **Wood Duck,** 4 (R.O.M.); **Goshawk,** 2 (R.O.M.); Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Marsh Hawk, 1; Sparrow Hawk, 2; Bob-white, 21; Ring-necked Pheasant, 7; Screech Owl, 2; Belted Kingfisher, 1; Pileated Woodpecker, 1; Red-bellied Woodpecker, 4; Hairy Woodpecker, 9; Downy Woodpecker, 36; Horned Lark, 33; Blue Jay, 31; Am. Crow, 61; Black-capped Chickadee, 50; Tufted Titmouse, 64; White-breasted Nuthatch, 34; Brown Creeper, 8; Winter Wren, 2; Am. Robin, 3; Golden-crowned Kinglet, 2; Cedar Waxwing, 1; Common Starling, 37; Myrtle Warbler, 1; House Sparrow, 108; Rusty Blackbird, 2; Cardinal, 99; Evening Grosbeak, 2; Am. Goldfinch, 16; Slate-colored Junco, 29; Am. Tree Sparrow, 202; Field Sparrow, 16; Swamp Sparrow, 1; Song Sparrow, 56. **Total,** 39 species; 953 individuals. (Seen Dec. 24: Mute Swan [feral—present since June], 1; Wilson's Snipe, 1; Dec. 30: Mourning Dove, 1.)—William C. Baker, Roy Booth, Paul Goff, Mr. and Mrs. Albert T. Hartley, Raymond O. Marshall.

212. **Steubenville (Jefferson Co.), Ohio** (deciduous woods 25%, swampy bottomland 20%, open bottomland 20%, farmland 25%, bushy fields 10%).—Dec. 30; 8:30 a.m. to 5 p.m. Rainy and foggy all day; temp. 46° to 44°; wind W, 0-2 m.p.h. Eleven observers in 4 parties. Total party-hours, 27 (on foot); total party-miles, 29 (on foot). Cooper's Hawk, 1; Red-tailed Hawk, 4; Marsh Hawk, 1; Sparrow Hawk, 2; Ruffed Grouse, 3; Bob-white, 10; Mourning Dove, 2; Screech Owl, 1; Horned Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 11; Pileated Woodpecker, 3; Red-bellied Woodpecker, 5; Hairy Woodpecker, 1; Downy Woodpecker, 48; Am. Crow, 6; Carolina Chickadee, 104; Tufted Titmouse, 63; White-breasted Nuthatch, 20; Brown Creeper, 2; Carolina Wren, 16; Cedar Waxwing, 28; Common Starling, 94; House Sparrow, 208; Cardinal, 136; Am. Goldfinch, 4; Slate-colored Junco, 137; Am. Tree Sparrow, 110; Field Sparrow, 3; Song Sparrow, 62. **Total,** 30 species; 1088 individuals. (Eastern Towhee seen in area during count week—R.C.B.)—Clinton S. Banks (compiler), Richard C. Banks, David Borden, Eleanor Dailey, R. L. Dailey, John Haese, David Patton, Donald Rarey, James Schoonover, Clarence Stetson, Albert Tenney.

213. **Sugar Grove, Ohio** (same locality as on last 7 years; about 850 acres in the unglaciated Appalachian Plateau; Hocking River and Clear Creek bottoms and adjacent uplands; open bottomlands 42%, mixed upland woodland 19%, old-field pine scrub 13%, mixed scrub 7%, southern yellow pine woods 6%, hemlock forest 5%, village 5%, country estate 3%).—Dec. 30; 7:30 a.m. to 3:45 p.m. Cloudy, foggy; temp. 40° to 45°; wind S, 0-5 m.p.h.; ground bare on south and west exposures, 1-4 in. snow elsewhere. Thirty-eight observers in 5 parties, these in turn subdividing. Total party-hours, 139 (on foot); total party-miles, 152 (on foot). Mallard, 4; Turkey Vulture, 3; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 1; Sparrow Hawk, 4; Ruffed Grouse, 11; Bob-white, 67 (6 coveys); Mourning Dove, 28; Belted Kingfisher, 1; Yellow-shafted Flicker, 18; Pileated Woodpecker, 12; Red-bellied Woodpecker, 29; Yellow-bellied Sapsucker, 4; Hairy Woodpecker, 12; Downy Woodpecker, 117; Blue Jay, 47; Am. Crow, 1; Carolina Chickadee, 199; Tufted Titmouse, 136; White-breasted Nuthatch, 67; Red-breasted Nuthatch, 16; Brown Creeper, 18; Winter Wren, 2; Carolina Wren, 22; Am. Robin, 1; Hermit Thrush, 2; Eastern Bluebird, 5; Golden-crowned Kinglet, 52; Common Starling, 103; Myrtle Warbler, 4; House Sparrow, 1102; Eastern Meadowlark, 4; Red-winged Blackbird, 4; Brown-headed Cowbird, 14; Cardinal, 478; Purple Finch, 1; Pine Siskin, 7; Am. Goldfinch, 119; Eastern Towhee, 2; Slate-colored Junco, 348; Am. Tree Sparrow, 271; Field Sparrow, 1; White-throated Sparrow, 1; Song Sparrow, 143. **Total,** 45 species; 3483 individuals. (Seen in area Jan. 1: Evening Grosbeak, about 50—L.S.T.)—D. F. Baker, C. F. Bateman, D. D. Blyth, A. Borror, D. J. Borror, H. E. Burtt, A. H. Claugus, J. M. Condit, G. W. Cox, H. R. DeSelm, Bob Fay, Jr., G. E. Gilbert, C. R. Goslin, D. Harlor, J. C. Harlor, J. F. Haskins, L. E. Hicks, Winn Jones, W. K. Jones, R. Kavanagh, I. Kassoy, A. S. Kiefer, L. Kitz, E. Limes, R. H. McCormick, H. G. Paul, E. E. Postle, J. W. Price, C. R. Reese, I. B. Rickly, H. W. Schuer, C. H. Shaw, P. A. Stewart, R. A. Suthers, E. S. Thomas (compiler), J. S. Thomas, G. S. Wolfram, E. Work, Jr. (Wheaton Club).

214. **Toledo, Ohio** (area same as 1948 and subsequent years).—Dec. 23; 8 a.m. to 5:30 p.m. Clear; temp. 20° to 30°; wind SE to W, 5-15 m.p.h.; 6-in. snow on ground, lake and streams partly open. Twenty-four observers in 7 parties. Total party-hours, 39 (37 on foot, 2 by car); total party-miles, 53 (35 on foot, 18 by car). Great Blue Heron, 1; Am. Bit-

tern, 1 (L.V.C., L.W.C. in frozen cattail marsh); Canada Goose, 1; Mallard, 1010; Black Duck, 340; Pintail, 3; Lesser Scaup, 4; Am. Golden-eye, 2; Ruddy Duck, 2; Hooded Merganser, 1; Am. Merganser, 150; Goshawk, 1 (L.K., S.H., R.V.G.); Sharp-shinned Hawk, 1; Cooper's Hawk, 3; Red-tailed Hawk, 3; Red-shouldered Hawk, 2; Rough-legged Hawk, 1; Marsh Hawk, 10; Sparrow Hawk, 5; Ring-necked Pheasant, 352; King Rail, 1 (H.M., J.S., W.S., near large open spring in marsh); Am. Coot, 2; Great Black-backed Gull, 1; Herring Gull, 362; Ring-billed Gull, 201; Mourning Dove, 87; Screech Owl, 4; Horned Owl, 3; Barred Owl, 2; Short-eared Owl, 1; Yellow-shafted Flicker, 3; Red-headed Woodpecker, 1; Hairy Woodpecker, 6; Downy Woodpecker, 87; Horned Lark, 97; Blue Jay, 125; Am. Crow, 215; Black-capped Chickadee, 94; Tufted Titmouse, 86; White-breasted Nuthatch, 63; Red-breasted Nuthatch, 4; Brown Creeper, 49; Winter Wren, 1; Carolina Wren, 1; Am. Robin, 2; Eastern Bluebird, 1; Golden-crowned Kinglet, 32; Cedar Waxwing, 7; Common Starling, 298; Myrtle Warbler, 2; House Sparrow, 921; Eastern Meadowlark, 1; Red-winged Blackbird, 19; Rusty Blackbird, 1 (S.H.); Cardinal, 154; Evening Grosbeak, 3; Pine Grosbeak, 5; Pine Siskin, 2; Am. Goldfinch, 13; Eastern Towhee, 1; Slate-colored Junco, 84; Am. Tree Sparrow, 180; White-throated Sparrow, 1; Swamp Sparrow, 5; Song Sparrow, 95; Lapland Longspur, 37; Snow Bunting, 56. **Total,** 67 species; 5309 individuals. (Seen on Dec. 22: Bob-whites; Mockingbird, 1; Purple Grackle, 2.)—Bruce Bailey, Dr. Miriam Bell, Jack Brace, Louis W. Campbell, James Hallauer, Lawrence Hiett, Seymour Holloway, Louis Klewer, Mrs. Henrietta Marimon, Harold Mayfield, James Nessle, Daniel Norris, Larry Schafer, Bill Shupe, Michael Smith, Dr. William Stewart, John Stophlet, Joseph Sweeney, Laurel Van Camp, Robert Van Gundy, Carmon Ward, James Ward, Ernest Weaver, Joe Wernert (Toledo Naturalists' Ass'n).

**215. Utica, Ohio** (South Lane Farm of 345 acres upland 2 miles west of village, route 62 southwest by car 4½ miles, county road west by car 4 miles, side road east 5 miles by car to lowland; beech-maple climax forest 55%, open farmland 15%, brushy thickets 15%, lowland 15%).—Dec. 29; 7:20 a.m. to 5 p.m. Heavily overcast; temp. 35° to 40°; wind S to SE, 0-10 m.p.h.; 2-4-in. snow on ground, all water frozen except running streams. Ten observers in 4 parties. Total party-hours, 57 (47 on foot, 10 by car); total party-miles, 125 (65 on foot, 60 by car). Mallard, 3; Hooded Merganser, 1; Cooper's Hawk, 5; Red-tailed Hawk, 5; Marsh Hawk, 3; Sparrow Hawk, 9; Ruffed Grouse, 3 (tracks); Bob-white, 47 (4 coveys); Ring-necked Pheasant, 1; Mourning Dove, 1; Screech Owl, 1; Barred Owl, 2; Belted Kingfisher, 3; Yellow-shafted Flicker, 25; Pileated Woodpecker, 3; Red-bellied Woodpecker, 48; Red-headed Woodpecker, 13; Hairy Woodpecker, 14; Downy Woodpecker, 56; Horned Lark, 2; Blue Jay, 86; Am. Crow, 2; Carolina Chickadee, 86; Tufted Titmouse, 126; White-breasted Nuthatch, 81; Red-breasted Nuthatch, 32; Brown Creeper, 18; Carolina Wren, 6; Am. Robin, 2; Eastern Bluebird, 14; Golden-crowned Kinglet, 4; Cedar Waxwing, 7; Common Starling, 287; House Sparrow, 574; Eastern Meadowlark, 3; Rusty Blackbird, 2; Purple Grackle, 1; Brown-headed Cowbird, 1; Cardinal, 149; Am. Goldfinch, 111; Eastern Towhee, 5; Slate-colored Junco, 62; Am. Tree Sparrow, 203; Song Sparrow, 57. **Total,** 44 species; 2164 individuals. (Seen in area during week before this count: Rough-legged Hawk, 1; Barn Owl, 1; Horned Owl, 1; Saw-whet Owl, 1. Seen in area Dec. 31: Turkey Vulture, 4.)—James Bruce, Floyd B. Chapman, A. H. Claugus, Bill Gilbert, Lawrence E. Hicks, Ernie Limes, Henry W. Schuer, Paul A. Stewart, C. R. Wagner, Mrs. C. R. Wagner (compiler).

**216. Van Wert, Ohio** (same area as previously; open farmland 58%, deciduous swamp forest 40%, farm yards 2%).—Dec. 30; 7:50 a.m. to 4:30 p.m. Cloudy, foggy; temp. 35° to 38°; wind N-NE, 3-7 m.p.h.; ground partly bare to 5-in. snow, creeks open. Nine observers in 3 parties. Total party-hours, 47½ (39½ on foot, 8 by car); total party-miles, 100 (58 on foot, 42 by car). Bob-white, 15; Ring-necked Pheasant, 1; Mourning Dove, 15; Yellow-shafted Flicker, 6; Red-headed Woodpecker, 4; Hairy Woodpecker, 2; Downy Woodpecker, 12; Horned Lark, 1; Blue Jay, 36; Black-capped Chickadee, 4; Tufted Titmouse, 18; White-breasted Nuthatch, 13; Brown Creeper, 2; Common Starling, 22; House Sparrow, 108; Eastern Meadowlark, 2; Cardinal, 22; Vesper Sparrow, 1; Slate-colored Junco, 2; Am. Tree Sparrow, 29; Field Sparrow, 1; Song Sparrow, 16. **Total,** 22 species; 332 individuals.—Gerald D. Bowen, Arthur S. Brooks (compiler), Mary Brooks, E. C. Feigert, Ellyn Feigert, E. E. Good, J. Fred Williams, Joyce Williams, William F. Wydallis (Upper Maumee Valley Naturalist's Club).

**217. Warren, Trumbull Co., Ohio** (same area as 1949 and 1950 plus Hardwidge Farm south of Paynes Corners off Rt. #82, old farm used as flower nursery, ravine and brush, posted for game refuge; marsh 10%, pasture 10%, plowed land 10%, town suburb 40%, deciduous woodlots 30%).—Dec. 29; 7:30 a.m. to 5 p.m. Cloudy to rain; temp. 35° to 38°; wind S, 15 m.p.h.; crust of snow, water frozen in creeks and lakes. Forty-two observers in 9 parties. Total party-hours, 94 (53 on foot, 18 by car, 23 feeders); total party-miles, 123 (27 on foot, 96 by car). Red-shouldered Hawk, 4; Marsh Hawk, 2; Sparrow Hawk, 2; Ruffed Grouse, 6; Bob-white, 124; Ring-necked Pheasant, 77; Barn Owl, 2; Screech Owl, 2; Horned Owl, 2; Barred Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 3; Red-bellied Woodpecker, 2; Hairy Woodpecker, 11; Downy Woodpecker, 25; Blue Jay, 210; Am. Crow, 167; Black-capped Chickadee, 249; Tufted Titmouse, 45; White-breasted Nuthatch, 39; Brown Creeper, 5; Am. Robin, 12; Hermit Thrush, 1; Cedar Waxwing, 1; Common Starling, 732; House Sparrow, 1045; Rusty Blackbird, 60; Purple Grackle, 4; Cardinal, 112; Pine Siskin, 13; Am. Goldfinch, 5; Slate-colored Junco, 132; Am. Tree Sparrow, 104; Song Sparrow,

30; Snow Bunting, 45. **Total,** 35 species; 3275 individuals.—Wm. Brown, Almon Rood, Caroline Rowland, Mrs. Arner Clark, Mrs. Donald Clark, Phil and Mary Corbin, Mrs. A. G. Cochran, Mrs. J. R. Davis, Mrs. H. C. Fox, Mrs. Funtjar, Mr. and Mrs. L. Hardwidge, Miss Winona Hemphill, Mrs. Charles Howard, Douglas Howell, Mrs. Jeff Howell, Alan Kightlinger, Mrs. Mary Knapp, Mrs. M. Knight, Harry McCombs, Marcia Marsh, Mrs. Roberts, Mrs. W. R. Shank, Mrs. Fred Smith, Mrs. W. T. Smith, Mrs. Cliff Wagers, Mrs. Dean Williams, Mrs. W. J. Wise, Mr. and Mrs. James Wilson, Joan and David Wilson (Trumbull Bird and Nature Club, Lordstown Garden Guild, Howland Girl Scouts, Warren Boy Scouts).

218. **Wooster, Ohio** (along Killbuck Creek Valley from Overton to Kauke Station, adjacent uplands and marshes; Secrest Arboretum; evergreen plantings 4%, grass and plowed lands 15%, roadsides 30%, swamp forest 10%, hemlock-maple 1%, upland forest 30%, cattail marsh 10%).—Dec. 30; 7 a.m. to 5:30 p.m. Overcast; light rain, fog; temp. 44° to 49°; wind N, 0-5 m.p.h.; 3-in. old snow; marshes frozen, streams open. Two observers in 2 parties. Total party-hours, 18 (4 on foot, 14 by car); total party-miles, 50 (10 on foot, 40 by car). Cooper's Hawk, 2; Red-tailed Hawk, 1; Red-shouldered Hawk, 5; Sparrow Hawk, 4; Bob-white, 18; Ring-necked Pheasant, 4; Mourning Dove, 2; Belted Kingfisher, 1; Yellow-shafted Flicker, 6; Pileated Woodpecker, 1; Red-bellied Woodpecker, 10; Red-headed Woodpecker, 4; Hairy Woodpecker, 3; Downy Woodpecker, 22; Horned Lark, 3; Blue Jay, 31; Am. Crow, 2; Black-capped Chickadee, 15; Tufted Titmouse, 25; White-breasted Nuthatch, 12; Red-breasted Nuthatch, 1; Brown Creeper, 1; Carolina Wren, 6; Am. Robin, 5; Eastern Bluebird, 9; Golden-crowned Kinglet, 1; Cedar Waxwing, 56; Common Starling, 151; House Sparrow, 190; Red-winged Blackbird, 1; Cardinal, 48; Pine Grosbeak, 5 in flock, (observed at distance of 8 feet in arboretum—J.B.); Am. Goldfinch, 37; Slate-colored Junco, 27; Am. Tree Sparrow, 154; Swamp Sparrow, 1; Song Sparrow, 21. **Total,** 37 species; 885 individuals.—James Bruce, Martha Huston.

219. **Youngstown, Ohio** (precisely same area as covered in last forty-odd years).—Dec. 30; 8 a.m. to 5 p.m. Absolutely impenetrable fog, becoming spotty about noon; visibility from 6 to 8 feet to 1/8 mile at noon, changing to heavy ground fog; light drizzle all day; temp. 28° to 44°; wind slight SE, 2 to 5 m.p.h. Twenty-three observers in 7 parties. Total party-hours, 60 (20 on foot, 40 by car); total party-miles, 255 (47 on foot, 208 by car). Great Blue Heron, 1; Mallard, 2; Black Duck, 22; Red-breasted Merganser, 2; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 2; Red-shouldered Hawk, 5; Bald Eagle, 1; Marsh Hawk, 2; Sparrow Hawk, 5; Bob-white, 69; Ring-necked Pheasant, 23; Mourning Dove, 37; Barn Owl, 3; Horned Owl, 1; Barred Owl, 3; Belted Kingfisher, 3; Yellow-shafted Flicker, 3; Pileated Woodpecker, 6; Red-bellied Woodpecker, 6; Red-headed Woodpecker, 4; Hairy Woodpecker, 16; Downy Woodpecker, 73; Horned Lark, 2; Blue Jay, 151; Am. Crow, 1251; Black-capped Chickadee, 161; Tufted Titmouse, 91; White-breasted Nuthatch, 87; Red-breasted Nuthatch, 3; Brown Creeper, 6; Winter Wren, 2; Carolina Wren, 1; Am. Robin, 2; Golden-crowned Kinglet, 13; Cedar Waxwing, 11; Common Starling, 697; House Sparrow, 705; Eastern Meadowlark, 2; Red-winged Blackbird, 32; Cardinal, 128; Pine Grosbeak, 5; Pine Siskin, 15; Am. Goldfinch, 41; Eastern Towhee, 1; Slate-colored Junco, 30; Am. Tree Sparrow, 240; Song Sparrow, 27. **Total,** 49 species; 3895 individuals. Pine Grosbeaks, first in 26 years, have been in area 3 weeks, and seen by all.—V. McLaughlin (compiler), R. Marshall, W. Baker, G. Madtes, W. Brown, L. Miller, J. Beeghly, W. Richter, F. Clarke, H. Heimerdinger, D. Prest, F. Ferris, H. Culbertson, C. Turner, W. Berman, J. Barrow, A. Wardle, E. Minich, H. Johnson, W. Findley, E. Dressel, A. Hartly, L. Vickers (Grant M. Cook Bird Club).

220. **Charleston, W. Va.** (area 15 miles in diameter, including Kanawha River Valley and adjacent hills and valleys from Marmet to Institute, Elk River from its mouth to Big Chimney, Kanawha County Airport and Coonskin Hollow Recreational Area, South Hills to Kanawha State Forest, Tyler Mountain and Kanawha City; open farmland and grassland 10%, urban 10%, woodland 40%, wooded bottomland and stream bank 40%).—Dec. 29; 6:45 a.m. to 4:45 p.m. Overcast, showers during a.m., very poor visibility most of day; temp. 44° to 54°; wind SE, 8 m.p.h. on hilltops, calm in valleys; ground bare; all still water frozen over. Twenty-four observers in 16 parties. Total party-hours, 75½ (64½ on foot, 5½ by car, 5½ at feeders); total party-miles, 203 (64 on foot, 139 by car). Great Blue Heron, 1; Lesser Scaup, 2; Am. Golden-eye, 2; Buffle-head, 1; Sharp-shinned Hawk, 3; Red-shouldered Hawk, 1; Sparrow Hawk, 3; Ruffed Grouse, 3; Bob-white, 30 (4 coveys); Killdeer, 1; Mourning Dove, 1; Screech Owl, 3; Horned Owl, 1; Barred Owl, 1; Yellow-shafted Flicker, 5; Red-bellied Woodpecker, 3; Red-headed Woodpecker, 2; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 2; Downy Woodpecker, 31; Eastern Phoebe, 1; Horned Lark, 13; Blue Jay, 32; Common Raven, 10; Carolina Chickadee, 208; Tufted Titmouse, 109; White-breasted Nuthatch, 38; Red-breasted Nuthatch, 4; Brown Creeper, 7; Winter Wren, 5; Carolina Wren, 83; Am. Robin, 2; Hermit Thrush, 3; Eastern Bluebird, 30; Golden-crowned Kinglet, 15; Common Starling, 701 (part est.); Myrtle Warbler, 1; House Sparrow, 494; Eastern Meadowlark, 6; Purple Grackle (Bronzed), 1; Cardinal, 454; Am. Goldfinch, 62; Eastern Towhee, 95; Slate-colored Junco, 393; Am. Tree Sparrow, 83; Field Sparrow, 175; White-crowned Sparrow, 1; White-throated Sparrow, 251; Fox Sparrow, 6; Swamp Sparrow, 4; Song Sparrow, 345. **Total,** 51 species; about 3730 individuals.—Sybil Ball, Lucy Barber, Sarah Barber, James Beach, Marion Freeman, Stuart Freeman, John Handlan, Polly Handlan, C. O. Handley, Jr., C. O. Handley, Sr., John M. Handley,

Frank M. Johnson, Mrs. Robert Ketchum, Gladys Murrey, Mr. and Mrs. James McCarty, Mrs. Ralph Norwood, E. A. Seaman, A. B. Shields, Bill Shields, Elinor Sims, Mrs. Harry Smith, William Strunk, Mrs. W. W. Trent.

**221. Huntington, W. Va.** (same area as 1940 and subsequent counts).—Dec. 30; 3 a.m. to 5 p.m. Heavy rain, 5 to 7 a.m., cloudy throughout the day; temp. 53° to 58°; no wind. Twenty-nine observers in 13 parties. Total party-hours, 88 (61 on foot, 17 by car); total party-miles, 281 (88 on foot, 223 by car). Horned Grebe, 1; Great Blue Heron, 1; Mallard, 4; Black Duck, 47; Am. Widgeon, 4; Green-winged Teal, 1; Lesser Scaup, 5; Buffle-head, 1; Hooded Merganser, 5; Cooper's Hawk, 1; Red-tailed Hawk, 1; Red-shouldered Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 16; Bob-white, 59; Killdeer, 21; Ring-billed Gull, 1; Mourning Dove, 12; Barn Owl, 1; Screech Owl, 7; Barred Owl, 2; Long-eared Owl, 1 (E.S.); Saw-whet Owl, 1 (H.L.); Belted Kingfisher, 4; Yellow-shafted Flicker, 31; Pileated Woodpecker, 7; Red-bellied Woodpecker, 1; Red-headed Woodpecker, 3; Yellow-bellied Sapsucker, 7; Hairy Woodpecker, 9; Downy Woodpecker, 68; Eastern Phoebe, 7; Horned Lark, 20; Blue Jay, 55; Am. Crow, 8153; Carolina Chickadee, 284; Tufted Titmouse, 252; White-breasted Nuthatch, 58; Red-breasted Nuthatch, 10; Brown Creeper, 8; Winter Wren, 2; Bewick's Wren, 2; Carolina Wren, 157; Mockingbird, 7; Catbird, 1; Am. Robin, 15; Hermit Thrush, 5; Eastern Bluebird, 46; Golden-crowned Kinglet, 18; Ruby-crowned Kinglet, 7; Cedar Waxwing, 71; Loggerhead Shrike, 1; Common Starling, 737; Myrtle Warbler, 26; House Sparrow, 269; Eastern Meadowlark, 108; Rusty Blackbird, 3; Brown-headed Cowbird, 7; Cardinal, 574; Purple Finch, 4; Pine Siskin, 7; Am. Goldfinch, 154; Eastern Towhee, 109; Vesper Sparrow, 11; Slate-colored Junco, 81; Oregon Junco, 1 (H.L.); Am. Tree Sparrow, 145; Chipping Sparrow, 1 (R.V.); Field Sparrow, 48; White-crowned Sparrow, 11; White-throated Sparrow, 157; Fox Sparrow, 1; Swamp Sparrow, 18; Song Sparrow, 342. **Total,** 74 species; 12,317 individuals.—Mrs. B. C. Aikson, Mr. and Mrs. Marcus Crenshaw, R. M. Edeburn (compiler), Dorothy Fisher, Mrs. E. P. Frost, N. B. Green, George H. Gunnoe, Mrs. H. C. Hale, Julia Kerr, Hugh and Howell Land, Georgia Martin, W. J. McElfresh, Olive Mortison, Frances Myers, Margaret Newcomb, Clare Newman, Iva Nowlan, Mrs. W. H. Odell, David Pilkinton, Mary Resener, Elizabeth Risen, Joseph Roberts, Mrs. William Scrimageous, E. L. Seeber, Arthur Schroeder, R. W. Simmons, Robert Van Blaricom (Huntington Bird Club).

**222. Morgantown and Cheat Lake, W. Va.** (farmlands, fallow fields, forests, water).—Dec. 23; 7:30 a.m. to 6 p.m. Clear; temp. 35° to 50°; fairly strong wind in early p.m.; ground bare; lake water partially frozen. Five observers in 3 parties. Total party-hours, 22 (18 on foot, 4 by car); total party-miles, 80 (30 on foot, 50 by car). Black-crowned Night Heron, 1; Mallard, 3; Black Duck, 58; duck (sp.), 2; Red-shouldered Hawk, 1; Sparrow Hawk, 1; Ruffed Grouse, 3; Bob-white, 23; Ring-necked Pheasant, 3; Barred Owl, 1; Am. Robin, 1; Yellow-shafted Flicker, 6; Red-bellied Woodpecker, 3; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 3; Downy Woodpecker, 22; Horned Lark, 32; Blue Jay, 4; Am. Crow, 43; chickadee [sp.], 48; Tufted Titmouse, 32; White-breasted Nuthatch, 33; Red-breasted Nuthatch, 1; Brown Creeper, 1; Winter Wren, 2; Carolina Wren, 18; Mockingbird, 2; Catbird, 1; Eastern Bluebird, 2; Golden-crowned Kinglet, 3; Cedar Waxwing, 15; Common Starling, 68; Am. Goldfinch, 1; House Sparrow, 135; Brown-headed Cowbird, 1; Cardinal, 178; Evening Grosbeak, 20; Purple Finch, 1; Am. Tree Sparrow, 4; Field Sparrow, 20; Song Sparrow, 89. **Total,** 41 species; 886 individuals. Pine Grosbeaks wintering here but not found on day of count.—I. B. Boggs, Wayne Davis, E. N. McCue, Charles Thomas, Chris Weiland.

**223. Mt. Lookout (Nicholas Co.), W. Va.** (same area as in 1941 and later counts; deciduous and hemlock woodland 74%, pine grove 1%, farmland 25%).—Dec. 27; 7:45 a.m. to 5:15 p.m. Clear; temp. 18° to 32°; wind NW, 0-10 m.p.h.; no snow. Two observers in 2 parties. Total party-hours, 14 (on foot); total party-miles, 17 (on foot). Ruffed Grouse, 3; Horned Owl, 1; Pileated Woodpecker, 3; Hairy Woodpecker, 1; Downy Woodpecker, 1; Blue Jay, 4; Am. Crow, 4; Carolina Chickadee, 10; Tufted Titmouse, 28; White-breasted Nuthatch, 9; Winter Wren, 1; Carolina Wren, 9; Mockingbird, 1; Am. Robin, 10; Hermit Thrush, 2; Golden-crowned Kinglet, 18; House Sparrow, 1; Eastern Meadowlark, 12; Cardinal, 65; Slate-colored Junco, 116; Am. Tree Sparrow, 30; Field Sparrow, 3; Song Sparrow, 12. **Total,** 23 species; 344 individuals. (Seen in area Dec. 26: Wilson's Snipe, 1; Dec. 28: Cooper's Hawk, 1; Bob-white, 18; Dec. 30: Evening Grosbeak, 53; Great Blue Heron, 1.)—W. C. Legg (compiler), Alton McClung.

**224. Bowling Green, Ky.** (Schneider, McElroy, Chaney, and Taylor Farms; Three Springs; stream banks 5%, open woods 15%, around flooded cornfields 50%, farmlands 30%).—Dec. 22; 6:30 a.m. to 5 p.m. Clear; temp. 20° to 34°; wind W, 8-12 m.p.h.; ground bare; ponds frozen over, open water in cornfields, streams open. Three observers in 2 parties. Total party-hours, 18 (16 on foot, 2 by car); total party-miles, 38 (30 on foot, 8 by car). Red-necked Grebe, 1; Great Blue Heron, 1; Mallard, 65; Black Duck, 69; Wood Duck, 2; Lesser Scaup, 7; Am. Golden-eye, 10; Turkey Vulture, 7; Sharp-shinned Hawk, 1; Red-tailed Hawk, 2; Red-shouldered Hawk, 3; Marsh Hawk, 2; Sparrow Hawk, 7; Killdeer, 6; Wilson's Snipe, 5; Mourning Dove, 43; Yellow-shafted Flicker, 6; Pileated Woodpecker, 3; Red-bellied Woodpecker, 3; Red-headed Woodpecker, 7; Hairy Woodpecker, 1; Downy Woodpecker, 8; Horned Lark, 297; Blue Jay, 23; Am. Crow, 2555; Carolina Chickadee, 17; Tufted Titmouse, 10; Brown Creeper, 1; Carolina Wren, 5; Mockingbird, 7; Am. Robin, 14; Hermit Thrush, 2; Eastern Bluebird, 2;

Loggerhead Shrike, 3; Common Starling, 1403; Myrtle Warbler, 2; House Sparrow, 488; Eastern Meadowlark, 35; Rusty Blackbird, 2; Cardinal, 153; Purple Finch, 7; Am. Goldfinch, 33; Eastern Towhee, 15; Savannah Sparrow, 1; Slate-colored Junco, 57; Am. Tree Sparrow, 5; Field Sparrow, 62; White-crowned Sparrow, 143; White-throated Sparrow, 40; Fox Sparrow, 1; Swamp Sparrow, 16; Song Sparrow, 31. **Total,** 52 species; 5689 individuals. (Seen in area Dec. 22-30: Black Vulture, Rough-legged Hawk, Barred Owl, Yellow-bellied Sapsucker, White-breasted Nuthatch, Red-breasted Nuthatch, Winter Wren, Cedar Waxwing.)—Frank Ewing, C. L. Taylor, Gordon Wilson.

**225. Danville, Ky.** (main and connecting roads in Boyle County, same as last year).—Dec. 28; 9 a.m. to 5 p.m. Partly cloudy; temp. 30° to 40°; wind SW to W, 10-15 m.p.h.; all ponds frozen. Three observers in 2 parties. Total party-hours, 10 (½ on foot, 9½ by car); total party-miles, 85 (½ on foot, 84½ by car). Pied-billed Grebe, 1; Turkey Vulture, 335; Black Vulture, 14; Red-tailed Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 15; Killdeer, 4; Yellow-shafted Flicker, 1; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 4; Horned Lark, 6; Blue Jay, 4; Am. Crow, 986; Carolina Chickadee, 10; Tufted Titmouse, 6; Brown Creeper, 1; Carolina Wren, 5; Mockingbird, 2; Am. Robin, 2; Eastern Bluebird, 7; Common Starling, 325; House Sparrow, 125; Cardinal, 52; Am. Goldfinch, 12; Eastern Towhee, 6; Am. Tree Sparrow, 3; Field Sparrow, 14; White-throated Sparrow, 3; Song Sparrow, 12. **Total,** 30 species; 1960 individuals.—John Cheek, Margaret McBrayer Moore, Scott Glore, Jr.

**226. Louisville, Ky.** (same as last year).—Dec. 23; 5:30 a.m. to 5 p.m. Clear; temp. 28° to 42°; wind SW, 8-12 m.p.h.; mild; many small ponds still frozen. Thirty-two observers in 12 parties. Total party-hours, 75 (43 on foot, 26 by car, 6 by boat); total party-miles, 119 (30 on foot, 85 by car, 4 by boat). Horned Grebe, 3; Pied-billed Grebe, 2; Great Blue Heron, 3; Black-crowned Night Heron, 24; Canada Goose, 27; Mallard, 45; Black Duck, 119; Am. Widgeon, 7; Pintail, 3; Green-winged Teal, 3; Wood Duck, 1; Ring-necked Duck, 1; Lesser Scaup, 22; Am. Golden-eye, 31; Buffle-head, 1; Hooded Merganser, 4; Am. Merganser, 5; Turkey Vulture, 1; Black Vulture, 10; Cooper's Hawk, 6; Red-tailed Hawk, 5; Red-shouldered Hawk, 5; Marsh Hawk, 7; Pigeon Hawk, 1 (T.F., W.S.); Sparrow Hawk, 31; Bob-white, 10; Am. Coot, 1; Killdeer, 23; Herring Gull, 49; Ring-billed Gull, 393; Bonaparte's Gull, 2; Mourning Dove, 64; Screech Owl, 3; Horned Owl, 2; Barred Owl, 4; Belted Kingfisher, 5; Yellow-shafted Flicker, 24; Pileated Woodpecker, 1; Red-bellied Woodpecker, 27; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 9; Downy Woodpecker, 38; Eastern Phoebe, 1; Horned Lark, 485+; Blue Jay, 80; Am. Crow, 950+; Carolina Chickadee, 130; Tufted Titmouse, 104; White-breasted Nuthatch, 20; Red-breasted Nuthatch, 4; Brown Creeper, 13; Winter Wren, 1; Carolina Wren, 25; Mockingbird, 19; Am. Robin, 117; Eastern Bluebird, 11; Golden-crowned Kinglet, 4; Water Pipit, 21 (Mrs. F.W.S.); Cedar Waxwing, 11; Loggerhead Shrike, 2; Common Starling, 4000+; Myrtle Warbler, 3; House Sparrow, 225+; Eastern Meadowlark, 99; Rusty Blackbird, 2; Purple Grackle, 1; Brown-headed Cowbird, 4; Cardinal, 422; Evening Grosbeak, 1♀ (with Cardinals—J.S., R.S.); Purple Finch, 3; Pine Siskin, 1; Am. Goldfinch, 46; Eastern Towhee, 48; Slate-colored Junco, 306; Am. Tree Sparrow, 119; Field Sparrow, 11; White-crowned Sparrow, 13; White-throated Sparrow, 42; Fox Sparrow, 1; Swamp Sparrow, 1; Song Sparrow, 69; Lapland Longspur, 39. **Total,** 83 species; 8479+ individuals. (Seen during week: Redhead, Canvas-back, Bald Eagle, Brown Thrasher.)—Leonard Brecher, Roberta Burkhardt, Floyd Carpenter, Dr. and Mrs. William Clay, Jacob P. Doughty, Tom Fuller, Mr. and Mrs. F. X. Krull, Dr. and Mrs. H. B. Lovell, John Lovell, Burt L. Monroe, Jr., Burt L. Monroe, Sr., Louis Pieper, Marie Pieper, Evelyn Schneider, Mr. and Mrs. Walter Shackleton, Mr. and Mrs. F. W. Stamm, Mabel Slack, Mr. and Mrs. F. P. Shannon, Jerry Smith, Robert Steilberg, Charles Strull, Mrs. Fan Tabler, Mr. and Mrs. S. Charles Thacher, Virginia Winstandley, Audrey Wright (Beckham Bird Club).

**227. Madisonville, Ky.** (W. W. Hancock farm, Brown and Frostburg Roads, 5 lakes at Madisonville and 2 at Earlington; open fields 20%, deciduous woodlands and thickets 25%, lake shores 40%, flooded bottomlands 15%).—Dec. 27; 7 a.m. to 5 p.m. Mostly clear; temp. 17° to 26°; wind NE, 1-7 m.p.h.; lakes mostly open. One observer. Total hours, 10; total miles, 39 (6 on foot, 33 by car). Common Loon, 2; Blue Goose, 1; Sharp-shinned Hawk, 1; Red-tailed Hawk, 1; Red-shouldered Hawk, 1; Sparrow Hawk, 2; Bob-white, 7; Killdeer, 2; Mourning Dove, 21; Barred Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 14; Pileated Woodpecker, 1; Red-bellied Woodpecker, 10; Hairy Woodpecker, 2; Downy Woodpecker, 8; Eastern Phoebe, 1; Horned Lark, 29; Blue Jay, 21; Am. Crow, 11; Carolina Chickadee, 19; Tufted Titmouse, 15; White-breasted Nuthatch, 2; Winter Wren, 1; Bewick's Wren, 1; Carolina Wren, 13; Mockingbird, 11; Brown Thrasher, 1 (presumably the same banded bird that has been seen previously); Am. Robin, 3; Eastern Bluebird, 9; Loggerhead Shrike, 1; Common Starling, 8; Myrtle Warbler, 1; House Sparrow, 29; Eastern Meadowlark, 74; Rusty Blackbird, 2; Cardinal, 56; Purple Finch, 4; Am. Goldfinch, 16; Eastern Towhee, 39; Slate-colored Junco, 89; Am. Tree Sparrow, 10; Field Sparrow, 16; White-crowned Sparrow, 4; White-throated Sparrow, 20; Swamp Sparrow, 7; Song Sparrow, 37. **Total,** 47 species; 625 individuals. The adult Blue Goose has been at Brown Meadow Lake since early Nov. and keeps company with the custodian's 2 domestic ducks. (Recorded Dec. 22: Cedar Waxwing, 10; Dec. 31: Ring-necked Duck, 2; Red-headed Woodpecker, 6; Brown Creeper, 1; Golden-crowned Kinglet, 2.)—James W. Hancock.

**228. Mammoth Cave National Park, Ky.** (central area, Beaver Pond, Katy Pace Valley, Mammoth Cave Ridge, Silent Grove; stream banks 10%, deep woods 20%, old fields 40%, second-growth young timber 20%, roadsides 10%).—Dec. 28; 7 a.m. to 4:30 p.m. Cloudy; temp. 25° to 45°; wind W, 8-14 m.p.h.; ground bare, ponds frozen over, river open. Five observers in 3 parties. Total party-hours, 22 (20 on foot, 2 by car); total party-miles, 35 (15 on foot, 20 by car). Black Duck, 25; Turkey Vulture, 2; Black Vulture, 28; Red-tailed Hawk, 2; Rough-legged Hawk, 1; Barred Owl, 1; Yellow-shafted Flicker, 6; Pileated Woodpecker, 2; Red-bellied Woodpecker, 2; Downy Woodpecker, 2; Blue Jay, 21; Am. Crow, 13; Tufted Titmouse, 2; White-breasted Nuthatch, 3; Red-breasted Nuthatch, 2; Winter Wren, 3; Carolina Wren, 2; Am. Robin, 144; Eastern Bluebird, 6; Common Starling, 2; House Sparrow, 54; Cardinal, 28; Purple Finch, 9; Am. Goldfinch, 17; Eastern Towhee, 45; Slate-colored Junco, 73; Field Sparrow, 1; White-throated Sparrow, 10; Fox Sparrow, 8; Song Sparrow, 7. **Total,** 30 species; 521 individuals. Birds very scarce and hard to find. Residents and winter residents were killed in great numbers in the snow-sleet storm of February 1951.—Frank Ewing, Myron Hays, L. Y. Lancaster, J. R. Whitmer, Gordon Wilson.

**229. Murray, Ky.** (7½-mile radius extending from the Murray State College farm eastward to Kentucky Lake at the mouth of Blood River, south to Tennessee state line and north to Jonathan Creek; woodland 20%, hedgerows 35%, open fields 30%, lake shore 10%, urban 5%).—Dec. 27; 6:30 a.m. to 5 p.m. Clear; temp. 20° to 36°; wind N, 5 m.p.h.; ground frozen. Eight observers in 4 parties. Total party-hours, 30 (23 on foot, 7 by car); total party-miles, 59 (11 on foot, 48 by car). Buffle-head, 2; Hooded Merganser, 5; Am. Merganser, 10; Red-breasted Merganser, 6; Turkey Vulture, 11; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 3; Red-shouldered Hawk, 3; Marsh Hawk, 3; Sparrow Hawk, 3; Killdeer, 2; Ring-billed Gull, 30; Mourning Dove, 28; Yellow-shafted Flicker, 27; Pileated Woodpecker, 4; Red-bellied Woodpecker, 3; Red-headed Woodpecker, 12; Yellow-bellied Sapsucker, 1; Downy Woodpecker, 13; Blue Jay, 119; Am. Crow, 36; Carolina Chickadee, 33; Tufted Titmouse, 25; Red-breasted Nuthatch, 5; Brown Creeper, 1; Carolina Wren, 8; Mockingbird, 19; Brown Thrasher, 2; Am. Robin, 2; Hermit Thrush, 1; Water Pipit, 12; Loggerhead Shrike, 15; Common Starling, 82; House Sparrow, 140; Eastern Meadowlark, 48; Purple Grackle (Bronzed), 9; Brown-headed Cowbird, 1; Cardinal, 125; Purple Finch, 1; Am. Goldfinch, 47; Eastern Towhee, 108; Slate-colored Junco, 161; Am. Tree Sparrow, 22; Chipping Sparrow, 1; Field Sparrow, 42; White-crowned Sparrow, 1; White-throated Sparrow, 29; Fox Sparrow, 2; Swamp Sparrow, 23; Song Sparrow, 39. **Total,** 51 species; 1328 individuals. [Seen in area Dec. 26: 1 Gray Shrike (Kemper).]—Eugene Cypert (compiler), Mary Lou Cypert, Lauron Putnam, Wesley Kemper, Mildred Swann, A. M. Wolfson, Nancy Wolfson, Grace Wyatt.

**230. Otter Creek Park (Meade Co.), Ky.** (same as previous years; old fields 30%, deciduous woods 50%, farmland 10%, bank of Ohio River 10%).—Dec. 30; 8:30 a.m. to 4:30 p.m. Cloudy; temp. 59° to 62°; wind 5-8 m.p.h. Five observers in 2 parties. Total party-hours, 13 (11 on foot, 2 by car); total party-miles, 19 (9 on foot, 10 by car). Black Duck, 2; Am. Merganser, 3; Cooper's Hawk, 1; Red-tailed Hawk, 1; Red-shouldered Hawk, 2; Rough-legged Hawk, 1; Herring Gull, 4; Belted Kingfisher, 4; Yellow-shafted Flicker, 14; Red-bellied Woodpecker, 2; Hairy Woodpecker, 1; Downy Woodpecker, 4; Blue Jay, 16; Am. Crow, 49; Carolina Chickadee, 22; Tufted Titmouse, 9; White-breasted Nuthatch, 2; Brown Creeper, 1; Winter Wren, 1; Carolina Wren, 4; Mockingbird, 1; Am. Robin, 9; Hermit Thrush, 1; Eastern Bluebird, 5; Golden-crowned Kinglet, 5; Common Starling, 7; Myrtle Warbler, 10; House Sparrow, 25; Eastern Meadowlark, 1; Cardinal, 30; Purple Finch, 2; Am. Goldfinch, 14; Eastern Towhee, 5; Slate-colored Junco, 52; Am. Tree Sparrow, 16; Field Sparrow, 2; White-throated Sparrow, 1; Swamp Sparrow, 4; Song Sparrow, 4. **Total,** 39 species; 337 individuals.—Gerald Cole, Harvey B. Lovell, John H. Lovell II, Mr. and Mrs. Fred W. Stamm.

**231. Elizabethton, Tenn.** (same as 1950).—Dec. 30; 7:30 a.m. to 5:30 p.m. Drizzle to overcast to clear; temp. 50° to 68°; wind SW, 0-15 m.p.h.; ground clear. Twelve observers in 6 parties. Total party-hours, 35 (22 on foot, 13 by car); total party-miles, 148 (22 on foot, 126 by car). Pied-billed Grebe, 3; Mallard, 1; Lesser Scaup, 2; Am. Golden-eye, 1; Buffle-head, 6; Hooded Merganser, 1; Turkey Vulture, 3; Cooper's Hawk, 1; Sparrow Hawk, 6; Killdeer, 2; Mourning Dove, 15; Belted Kingfisher, 6; Yellow-shafted Flicker, 10; Red-bellied Woodpecker, 1; Downy Woodpecker, 11; Eastern Phoebe, 4; Blue Jay, 10; Am. Crow, 506; Carolina Chickadee, 51; Tufted Titmouse, 31; White-breasted Nuthatch, 3; Brown Creeper, 1; Winter Wren, 1; Carolina Wren, 65; Mockingbird, 15; Am. Robin, 3; Eastern Bluebird, 21; Golden-crowned Kinglet, 5; Cedar Waxwing, 11; Loggerhead Shrike, 1; Common Starling, 285; Myrtle Warbler, 14; House Sparrow, 166; Eastern Meadowlark, 51; Cardinal, 98; Am. Goldfinch, 55; Eastern Towhee, 5; Slate-colored Junco, 67; Field Sparrow, 41; White-crowned Sparrow, 32; White-throated Sparrow, 32; Fox Sparrow, 3; Song Sparrow, 45. **Total,** 43 species; 1691 individuals.—J. C. and L. Browning, M. V. Cook, A. and E. Evans, L. R. (compiler) and L. M. Herndon, R. and D. Hughes, A. R. McKinney, W. Range and H. L. Taylor (Elizabethton Chapter, Tennessee Ornithological Society).

**232. Great Smoky Mountains National Park, Tenn.-N. C.** (circle of 7½-mile radius centering on Bull Head of Mt. LeConte; towns of Gatlinburg and Pigeon Forge, Tenn., altitude 1200 to 6593 ft.; spruce-fir forests 35%, deciduous forests 30%, farmland and abandoned fields 25%, towns and suburbs 10%).—Dec. 30; 6:30 a.m. to 6 p.m. Overcast to partly cloudy; temp. 45° to 70°; wind variable, 5-25

m.p.h.; snow melting at high altitudes, ground bare in lowlands. Forty observers in 10 parties. Total party-hours, 80 (66 on foot, 14 by car); total party-miles, 205 (70 on foot, 135 by car). Turkey Vulture, 4; Black Vulture, 11; Sharp-shinned Hawk, 1; Red-tailed Hawk, 4; Peregrine Falcon, 1; Sparrow Hawk, 4; Ruffed Grouse, 11; Killdeer, 14; Wilson's Snipe, 1; Mourning Dove, 105; Horned Owl, 2; Belted Kingfisher, 1; Yellow-shafted Flicker, 4; Pileated Woodpecker, 10; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 8; Downy Woodpecker, 12; Eastern Phoebe, 2; Horned Lark, 35; Blue Jay, 13; Common Raven, 5; Am. Crow, 400 (est.); Black-capped and Carolina Chickadees, 250; Tufted Titmouse, 12; White-breasted Nuthatch, 6; Red-breasted Nuthatch, 19; Brown Creeper, 7; Winter Wren, 6; Carolina Wren, 24; Mockingbird, 3; Am. Robin, 1; Hermit Thrush, 2; Eastern Bluebird, 30; Golden-crowned Kinglet, 27; Ruby-crowned Kinglet, 1; Cedar Waxwing, 2; Loggerhead Shrike, 1; Common Starling, 250 (est.); Myrtle Warbler, 1; House Sparrow, 82; Eastern Meadowlark, 25; Red-winged Blackbird, 7; Brown-headed Cowbird, 1; Cardinal, 67; **Evening Grosbeak,** 15 (a lone noisy individual observed at close range in Newfound Gap by Stupka, while a flock of 14 were seen by Yambert, Ogden, and Beasley in sycamores along the Little Pigeon River, near Pigeon Forge—the observation of a dozen of these birds at Park Headquarters on Dec. 15 was the southernmost record for this species in the Southern Appalachian Mts. and represented the first park record); Purple Finch, 3; Pine Siskin, 37; Am. Goldfinch, 49; Red Crossbill, 1; Eastern Towhee, 4; Savannah Sparrow, 4; Slate-colored Junco (including Carolina Junco), 150; Field Sparrow, 60; White-throated Sparrow, 56; Fox Sparrow, 2; Swamp Sparrow, 2; Song Sparrow, 83. **Total,** 58 species; about 1940 individuals.—Jon Beasley, Rolf v. Boenninghausen, Mary Ruth Chiles, Brockway Crouch, Richard Culver, Howard Davenport, Hugh Davis, Jr., Ronny Davis, Jack A. Ellis, Robert Hornsby, Jimmy Huff, Philip Huff, Anders Hustvedt, Eunice Hustvedt, Harriet Hustvedt, Mr. and Mrs. William M. Johnson, Hugh Finley LaRue, Richard Lawrence, Mr. and Mrs. Frank Leonhard, Henry W. Lix, Richard A. Lorenz, Dorothy MacLean, Mr. and Mrs. R. A. Monroe, Elise Morrell, Carl Newman, Jr., S. A. Ogden, J. B. Owen, Robert Scott, Royal E. Shanks, Arthur Stupka, Gerhard Tackmann, Charles Thompson, Louise Thompson, Clyde Trentham, Dietrich Wilde, Ralph G. Williams, William Yambert (Tenn. Ornithological Society, National Park Service, and guests).

233. **Jackson, Tenn.** (same area as last year; Skyway Golf Course, West Tenn. Experiment Station and So. Fork of Forked Deer River Bottom; open fields 50%, river bottom 30%, roadside thickets 15%, ponds 5%).—Dec. 30; 7 a.m. to 5:30 p.m. and 8 to 9 p.m. for owls. Partly cloudy; temp. 54° to 64°; wind S, 13-16 m.p.h. Two observers in 1 party. Total party-hours, 23 (9 on foot, 14 by car); total party-miles, 81 (11 on foot, 70 by car). Pied-billed Grebe, 1; Great Blue Heron, 2; Mallard, 130 (±10); Lesser Scaup, 2; Turkey Vulture, 12; Black Vulture, 4; Sharp-shinned Hawk, 1; Cooper's Hawk, 3; Red-shouldered Hawk, 4; Marsh Hawk, 5; Sparrow Hawk, 7; Bob-white, 65; Killdeer, 415 (±20); Wilson's Snipe, 3; Mourning Dove, 36; Belted Kingfisher, 3; Yellow-shafted Flicker, 9; Red-bellied Woodpecker, 21; Red-headed Woodpecker, 2; Yellow-bellied Sapsucker, 13; Hairy Woodpecker, 3; Downy Woodpecker, 13; Eastern Phoebe, 1; Horned Lark, 506 (±25); Blue Jay, 78; Am. Crow, 246; Carolina Chickadee, 28; Tufted Titmouse, 4; White-breasted Nuthatch, 1; Brown Creeper, 8; Winter Wren, 4; Bewick's Wren, 7; Carolina Wren, 22; Long-billed Marsh Wren, 3; Mockingbird, 5; Brown Thrasher, 8; Am. Robin, 482 (±25); Hermit Thrush, 15; Eastern Bluebird, 5; Golden-crowned Kinglet, 31; Ruby-crowned Kinglet, 27; Water Pipit, 175 (±10); Cedar Waxwing, 370; Loggerhead Shrike, 21; Common Starling, 125; Myrtle Warbler, 24; House Sparrow, 85; Eastern Meadowlark, 430 (±10); Red-winged Blackbird, 75; Rusty Blackbird, 15; Purple Grackle, 5; Brown-headed Cowbird, 60; Cardinal, 110; Purple Finch, 3; Am. Goldfinch, 21; Eastern Towhee, 19; Savannah Sparrow, 6; Vesper Sparrow, 6; Slate-colored Junco, 80; Field Sparrow, 30; White-crowned Sparrow, 37; White-throated Sparrow, 100; Fox Sparrow, 14; Swamp Sparrow, 6; Song Sparrow, 34; Lapland Longspur, 2. **Total,** 66 species; 4088 individuals. (Seen during week: Canada Goose, 25; Red-tailed Hawk, 2; Pileated Woodpecker, 1.) There was a marked scarcity of Mockingbirds, Eastern Bluebirds, and Tufted Titmice.—Kilian Roever, Mrs. W. Roever.

234. **Kingsport, Tenn.** (Gray Station, Colonial Heights, residential district, Ridgefields, North and South Fork Holston River; Bays Mountain not covered; residential area 20%, wooded land 30%, open fields 40%, rivers and ponds 10%).—Dec. 30; 7 a.m. to 5:30 p.m. Overcast and sunshine; temp. 40° to 70°; wind 0-5 m.p.h.; no ice or snow. Fourteen observers in 6 parties. Total party-hours, 23 (21 on foot, 2 by car); total party-miles, 47 (15 on foot, 32 by car). Turkey Vulture, 3; Black Vulture, 1; Red-tailed Hawk, 2; Red-shouldered Hawk, 2; Sparrow Hawk, 3; Ruffed Grouse, 2; Ring-necked Pheasant, 2 (believed to be birds released in Oct. 1949; had not been seen for about a year); Killdeer, 9; Wilson's Snipe, 7; Mourning Dove, 2; Belted Kingfisher, 1; Yellow-shafted Flicker, 4; Red-bellied Woodpecker, 1; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 1; Downy Woodpecker, 12; Eastern Phoebe, 1; Horned Lark, 6; Blue Jay, 17; Am. Crow, 71; Carolina Chickadee, 40; Tufted Titmouse, 47; White-breasted Nuthatch, 18; Red-breasted Nuthatch, 5; Brown Creeper, 2; Bewick's Wren, 1; Carolina Wren, 28; Mockingbird, 13; Eastern Bluebird, 19; Cedar Waxwing, 56; Loggerhead Shrike, 1; Common Starling, 1500; Myrtle Warbler, 7; House Sparrow, 39; Cardinal, 71; Am. Goldfinch, 25; Eastern Towhee, 21; Slate-colored Junco, 23; Chipping Sparrow, 2; Field Sparrow, 12; White-crowned Sparrow, 8; White-throated Sparrow, 64; Song Sparrow, 24. **Total,** 43 species; 2175 individuals.—Dr. and Mrs. M. J. Adams, Carlton Crane, Paul Guthrie, Edd Gift,

Richard Gift, Helen Harris, Mr. and Mrs. W. C. McHorris (compiler), Dorothy Pike, Deborah Pike, Anne Switzer, Eddie Triebe, Dorothy Vestal (Kingsport Chapter, T.O.S.).

**235. Memphis, Tenn.** (1946 area plus Penal Farm to offset suburban build-up; wooded bottomlands 30%, deciduous woodlots including city parks 25%, old cottonfields, pastures, airports, and a 5017-acre farm 25%, suburban roadsides 20%).—Dec. 23; 6:45 a.m. to 5:15 p.m. Partly cloudy; temp. 40° to 56°; wind 3-7 m.p.h.; muddy; Loosahatchie bottoms flooded, inaccessible. Thirty observers in 9 parties. Total party-hours, 94 (72 on foot, 22 by car); total party-miles, 248 (70 on foot, 178 by car). Horned Grebe, 3; Pied-billed Grebe, 1; Double-crested Cormorant, 1; Great Blue Heron, 7; Canada Goose, 117; Mallard, 15; Blue-winged Teal, 8; Wood Duck, 1; Redhead, 4; Ring-necked Duck, 12; Canvas-back, 9; Lesser Scaup, 31; unidentified ducks, 1050 (±100); Ruddy Duck, 2; Hooded Merganser, 1; Turkey Vulture, 68; Black Vulture, 14; Cooper's Hawk, 1; Red-tailed Hawk, 20; Red-shouldered Hawk, 9; **Bald Eagle,** 1 ad.; Marsh Hawk, 4; Sparrow Hawk, 33; Bob-white, 19; Killdeer, 197; Wilson's Snipe, 35; Ring-billed Gull, 21; Mourning Dove, 21; Screech Owl, 1; Barred Owl, 4; Belted Kingfisher, 16; **Yellow-shafted Flicker,** 179; Pileated Woodpecker, 3; Red-bellied Woodpecker, 71; Red-headed Woodpecker, 11; Yellow-bellied Sapsucker, 15; Hairy Woodpecker, 9; Downy Woodpecker, 55; Horned Lark, 134; **Blue Jay,** 404; Am. Crow, 211; Fish Crow, 9; Carolina Chickadee, 230; Tufted Titmouse, 123; White-breasted Nuthatch, 7; Brown Creeper, 12; **Winter Wren,** 28; Bewick's Wren, 1; **Carolina Wren,** 130; Mockingbird, 115; Brown Thrasher, 35; Am. Robin, 207; Hermit Thrush, 27; Eastern Bluebird, 31; Golden-crowned Kinglet, 71; Ruby-crowned Kinglet, 5; Water Pipit, 3; Cedar Waxwing, 266; Loggerhead Shrike, 52; Common Starling, 9786; Solitary Vireo, 1; Myrtle Warbler, 111; House Sparrow, 475; Eastern Meadowlark, 567; Red-winged Blackbird, 113; Rusty Blackbird, 10; Brewer's Blackbird, 134; unidentified blackbirds, 1575 (±75); Purple Grackle, 5133; Brown-headed Cowbird, 206; Cardinal, 685; Purple Finch, 53; Am. Goldfinch, 210; Eastern Towhee, 95; Savannah Sparrow, 38; **Leconte's Sparrow,** 7; Slate-colored Junco, 612; Field Sparrow, 156; White-crowned Sparrow, 15; White-throated Sparrow, 1333; Fox Sparrow, 113; Swamp Sparrow, 144; Song Sparrow, 249; Lapland Longspur, 15. **Total,** 82 species; about 26,006 individuals.—Mr. and Mrs. Ben B. Coffey, Jr., Cooper and Mrs. Floy Barefield, Mrs. Elizabeth Barton, Fred Carney, Mrs. Irene Daniel, Harry Geyer, Richmond Gill, Jack Goodman, Johnny Johnson, Victor Julia, Luther F. Keeton, Lawrence Kent, Charles Marcus, Muriel Massey, Charles McPherson, Jr., Mrs. J. H. McWhorter, Jim McWhorter, Nelle Moore, John J. O'Callaghan, Eugene Parish, Geo. Peyton, Charles Seahorn, Alice H. Smith, R. Demett Smith, Jr., Bro. Leo Thomas, Mrs. M. L. Torti, Wendell Whittemore, Alan Ziegler (Memphis Chap., Tenn. Ornithol. Soc.).

**236. Nashville, Tenn.** (localities, same as last year).—Dec. 23; 6:30 a.m. to 4 p.m. Clear, visibility good; temp. 30° to 54°; wind very light; ground bare, frozen in a.m. Seventeen observers in 6 parties. Total party-hours, 57 (39 on foot, 18 by car); total party-miles, 92 (24 on foot, 68 by car). Common Loon, 1; Horned Grebe, 1; Pied-billed Grebe, 1; Great Blue Heron, 1; Green Heron, 1 (first time recorded on a Tennessee Christmas Count; Abernathy and Robins, checked by Ganier); goose (Canada?), 60; Lesser Scaup, 1; Am. Golden-eye, 3; Ruddy Duck, 1; Black Vulture, 5; Sharp-shinned Hawk, 1; Cooper's Hawk, 4; Red-tailed Hawk, 8; Red-shouldered Hawk, 1; Sparrow Hawk, 18; Killdeer, 133; Wilson's Snipe, 1; Mourning Dove, 115 (100 together); Screech Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 59; Pileated Woodpecker, 8; Red-bellied Woodpecker, 25; Red-headed Woodpecker, 2; Yellow-bellied Sapsucker, 13; Hairy Woodpecker, 6; Downy Woodpecker, 35; Horned Lark, 192; Blue Jay, 23; Am. Crow, 165; Carolina Chickadee, 73; Tufted Titmouse, 39; Brown Creeper, 3; Winter Wren, 2; Bewick's Wren, 3; Carolina Wren, 30; Mockingbird, 49; Am. Robin, 595; Hermit Thrush, 2; Eastern Bluebird, 98; Golden-crowned Kinglet, 2; Cedar Waxwing, 11; Loggerhead Shrike, 3; Common Starling, 11,525 (not at a roost); Myrtle Warbler, 53; House Sparrow, 147; Eastern Meadowlark, 118; Rusty Blackbird, 4; Purple Grackle, 32; Brown-headed Cowbird, 8; Cardinal, 204; Purple Finch, 12; Pine Siskin, 1; Am. Goldfinch, 604 (300 in one field); Eastern Towhee, 115; Slate-colored Junco, 218; Field Sparrow, 40; White-crowned Sparrow, 61; White-throated Sparrow, 78; Fox Sparrow, 1; Swamp Sparrow, 5; Song Sparrow, 71. **Total,** 62 species; 15,094 individuals. (A Whistling Swan, wounded on Dale Hollow lake 80 miles ENE on Dec. 23, was released Dec. 24 on Radnor Lake near Nashville.)—B. H. Abernathy, Mrs. W. F. Bell, William Crouch, Helen DeSort, Albert F. Ganier (compiler), Mrs. E. W. Goodpasture, Mrs. F. C. Laskey, Geo. R. Mayfield, Larry McLain, Jennie Riggs, Jas. A. Robins, George Rosenman, Edward Schreiber, Dan Schreiber, William Stuyvesant and Mr. and Mrs. J. E. Zeigler (Nashville Chapter, Tenn. Ornithological Society).

**237. Reelfoot Lake, Tenn.** (Tiptonville east around lake via Spillway and Samburg to Walnut Log; essentially same area as in past; 50% deciduous woodland (mostly bottoms including cypress swamps), 20% open lake, 10% marsh, 15% roadside, 5% farm).—Dec. 30; 9:30 a.m. to 5:30 p.m. Overcast to clear; temp. 60° to 80°; wind SW, 3-10 m.p.h.; with gusts to 30 m.p.h. in p.m. Eight observers in 3 parties. Total party-hours, 16½ (9 on foot, 1½ by car, 6 by boat); total party-miles, 67 (16 on foot, 44 by car, 7 by boat). Pied-billed Grebe, 13; Double-crested Cormorant, 115; Great Blue Heron, 8; Canada Goose, 103; Snow Goose, 6; Blue Goose, 62; Mallard, 181; Black Duck, 16; Am. Widgeon, 63; Pintail, 43; Green-winged Teal, 2; Shoveller, 6; Wood Duck, 2; Ring-necked Duck, 217; Canvas-back, 4; Lesser Scaup, 360; Am. Golden-eye, 72; Buffle-head, 1; Ruddy Duck, 2; Hooded Mer-

ganser, 6; Am. Merganser, 3; Turkey Vulture, 3; Black Vulture, 6; Cooper's Hawk, 1; Red-tailed Hawk, 8; Red-shouldered Hawk, 6; Bald Eagle, 7; Marsh Hawk, 2; Sparrow Hawk, 3; Bob-white, 8; Am. Coot, 54; Killdeer, 5; Herring Gull, 5; Ring-billed Gull, 165; Mourning Dove, 4; Horned Owl, 1; Barred Owl, 3; Belted Kingfisher, 11; Yellow-shafted Flicker, 36; Pileated Woodpecker, 7; Red-bellied Woodpecker, 17; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 4; Downy Woodpecker, 15; Blue Jay, 8; Am. Crow, 49; Carolina Chickadee, 48; Tufted Titmouse, 33; White-breasted Nuthatch, 7; Brown Creeper, 3; House Wren, 1; Winter Wren, 7; Carolina Wren, 28; Long-billed Marsh Wren, 3; Short-billed Marsh Wren, 1; Mockingbird, 1; Am. Robin, 7; Eastern Bluebird, 5; Golden-crowned Kinglet, 8; Ruby-crowned Kinglet, 1; Loggerhead Shrike, 5; Common Starling, 203; Myrtle Warbler, 2; Common Yellow-throat, 1; House Sparrow, 250; Eastern Meadowlark, 17; Red-winged Blackbird, 2,040,000*; Rusty Blackbird, 25; Purple Grackle, 600; Brown-headed Cowbird, 117; Cardinal, 69; Purple Finch, 4; Am. Goldfinch, 35; Eastern Towhee, 1; Savannah Sparrow, 2; Vesper Sparrow, 8; Slate-colored Junco, 27; Field Sparrow, 1; White-throated Sparrow, 99; Fox Sparrow, 3; Swamp Sparrow, 163; Song Sparrow, 43. **Total,** 83 species; about 2,043,543 individuals. *Red-wing flight observed by one party on west side of lake and one in car enroute E to W. Party in car observed continuous streams of blackbirds funneling toward Samburg for 55 minutes from all directions. Party on W side observed continuous streams for 45 minutes. As in past dense stream passed over Samburg. It is believed from the number of streams, minutes to pass and density and size of the unbroken flocks that this year's Red-wings may surpass last year's 2,040,000. Yellowthroat and house wren observed at close range by all members of party.—Howard Barbig (compiler), Evelyn Barbig, Richmond Gill, Fred Griffin, Johnny and Ralph Johnson, George Peyton, Billy Weeks.

[P. W. White, Jr., and Thomas Walker, Jr., made a count in this same area on Dec. 27 and recorded about 1,227,337 individuals of 65 species in 12 party-hours. They noted the following species which were not found on the above count: Am. Egret, 1 (at 50 ft. with 7x50 glasses); Redhead, 4; Peregrine Falcon, 2; Screech Owl, 1; Tree Sparrow, 7—Ed.].

**238. Roan Mountain and Grassy Bald Mountain, Tenn.-N. C.** (transverse ridges of Southern Appalachian System; ascent from crossing of old and new Roan Mountain roads via former to Carver's Gap and junction of old and new roads west below Roan High Knob, thence descent on new road to Carver's Gap and ascent to Grassy Bald Mountain via Round Bald and Jane Bald, returning via Jane Bald straight down through woods to new Roan Mountain Road below Carver's Gap; altitude range 3750 to 6200 ft.; deciduous woodland 60%, spruce and fir forest mixed with rhododendron and alder 20%, alder balds 20%). —Dec. 30; 7 a.m. to 4 p.m. Cloudy till noon with mountain tops above 5500 ft. obliterated, sunny but rather hazy p.m.; temp. 48° to 44° to 46°; wind SW, 5-25 m.p.h.; 2-3-in. of crusted snow in woods on northern slopes, balds bare but ground wet, old road covered with ice in many places. Total hours, 9; total miles, 10 (on foot). Ruffed Grouse, 2 (4800 ft. and 5300 ft.); Downy Woodpecker, 5 (4800 to 5100 ft.); Blue Jay, 2 (5300 ft.); Common Raven, 1 (6200 ft.); Am. Crow, 2 (4100 ft.); Tufted Titmouse, 8 (4800 to 5000 ft.); White-breasted Nuthatch, 2 (4800 ft.); Red-breasted Nuthatch, 1 (4800 ft.); Carolina Wren, 1 (3900 ft.); Cardinal, 1 (4600 ft.); Slate-colored Junco, 6 (3900 to 5500 ft.); Song Sparrow, 1 (3900 ft.). **Total,** 12 species; 32 individuals. No small birds in coniferous forest or on balds from 5500 to 6200 ft.—Fred W. Behrend (Elizabethton Chapter, Tennessee Ornithological Society).

**239. Birmingham, Ala.** (7½-mile radius centering in Mountain Brook, and including Lake Purdy, Oak Mountain, East Lake and intervening areas; mixed hardwood-pine woodland 38%, woodland borders 15%, pasture 17%, cultivated fields 11%, pond and lake front 14%, suburban areas 5%).—Dec. 30; 7 a.m. to 5:30 p.m. Overcast; temp. 61° to 72° (22° above normal); wind S, 8-18 m.p.h. Ten observers in 4 parties. Total party-hours, 30 (24 on foot, 6 by car); total party-miles, 70 (25 on foot, 45 by car). Pied-billed Grebe, 22; Gadwall, 18; Am. Widgeon, 2; Redhead, 12; Ring-necked Duck, 118; Canvasback, 50; Lesser Scaup, 13; Buffle-head, 1; Ruddy Duck, 3; Hooded Merganser, 1; Turkey Vulture, 7; Black Vulture, 1; Sharp-shinned Hawk, 1; Red-tailed Hawk, 3; Red-shouldered Hawk, 2; Marsh Hawk, 1; Bob-white, 14; Am. Coot, 583; Killdeer, 107; Wilson's Snipe, 2; Mourning Dove, 84; Horned Owl, 1; Barred Owl, 1; Belted Kingfisher, 9; Yellow-shafted Flicker, 18; Pileated Woodpecker, 4; Red-bellied Woodpecker, 3; Red-headed Woodpecker, 3; Yellow-bellied Sapsucker, 6; Hairy Woodpecker, 3; Downy Woodpecker, 12; Red-cockaded Woodpecker, 3; Eastern Phoebe, 5; Blue Jay, 32; Am. Crow, 50; Carolina Chickadee, 35; Tufted Titmouse, 20; White-breasted Nuthatch, 2; Brown-headed Nuthatch, 2; Brown Creeper, 6; Winter Wren, 1; Bewick's Wren, 1; Carolina Wren, 47; Mockingbird, 42; Brown Thrasher, 7; Am. Robin, 7; Hermit Thrush, 7; Eastern Bluebird, 20; Golden-crowned Kinglet, 53; Ruby-crowned Kinglet, 18; Water Pipit, 60; Cedar Waxwing, 75; Loggerhead Shrike, 5; Common Starling, 2500; Myrtle Warbler, 2; Pine Warbler, 22; House Sparrow, 18; Eastern Meadowlark, 185; Red-winged Blackbird, 800; Rusty Blackbird, 800; Purple Grackle, 12,250; Brown-headed Cowbird, 150; Cardinal, 71; Purple Finch, 5; Pine Siskin, 1; Am. Goldfinch, 46; Eastern Towhee, 72; Savannah Sparrow, 50; Vesper Sparrow, 41; Slate-colored Junco, 90; Chipping Sparrow, 6; Field Sparrow, 68; White-throated Sparrow, 192; Fox Sparrow, 5; Swamp Sparrow, 80; Song Sparrow, 90. **Total,** 76 species; 19,147 individuals. —Fredrick T. Carney, Mrs. Amos Culp, F. Bozeman Daniel, Jimmy Ellis, Kenneth Harrison, Charles Lawrence, Bobby Martin, Morton H. Perry, M. F. Prather, Donald Thornburgh.

**240. Moon Lake, Lula, Miss.** (same routes as 1947-50; lake from shoreline drive 20%, levee 10%, narrow timbered bayous 22%, highway and old cottonfields and pasture 18%, weedy fields 15%, wooded bottoms 15%).—Dec. 30; 7 a.m. to 5 p.m. Overcast 1st hr., fair; temp. 62° to 71°; no wind; little hunting apparent. Eleven observers in 3 parties. Total party-hours, 20 (9 on foot, 11 by car); total party-miles, 96 (11 on foot, 85 by car). Horned Grebe, 5; Pied-billed Grebe, 13; Double-crested Cormorant, 120; Great Blue Heron, 6; **Am. Egret,** 1; Gadwall, 19; Am. Widgeon, 17; Redhead, 4; Ring-necked Duck, 40; Canvas-back, 343; Lesser Scaup, 36; Am. Golden-eye, 4; Buffle-head, 8; **Ruddy Duck,** 3699 (2500±100, 1199); Hooded Merganser, 12; Am. Merganser, 21; Turkey Vulture, 17; **Black Vulture,** 261; Cooper's Hawk, 1; Red-tailed Hawk, 9; Red-shouldered Hawk, 5; Bald Eagle, 1 ad.; Marsh Hawk, 15; Sparrow Hawk, 14; Bob-white, 14; Am. Coot, 1; **Killdeer,** 373; Wilson's Snipe, 29; Ring-billed Gull, 74; Mourning Dove, 17; Screech Owl, 1; Barred Owl, 1; Belted Kingfisher, 4; Yellow-shafted Flicker, 50; Pileated Woodpecker, 2; Red-bellied Woodpecker, 32; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 10; Downy Woodpecker, 17; Eastern Phoebe, 1; Horned Lark, 160; Blue Jay, 46; Am. Crow, 21; Carolina Chickadee, 51; Tufted Titmouse, 3; Brown Creeper, 3; Winter Wren, 12; Bewick's Wren, 2; Carolina Wren, 42; Mockingbird, 23; Brown Thrasher, 4; Am. Robin, 35; Hermit Thrush, 7; Golden-crowned Kinglet, 17; Ruby-crowned Kinglet, 1; Water Pipit, 27; Cedar Waxwing, 10; Loggerhead Shrike, 61; Common Starling, 933 (620±50, 313); Solitary Vireo, 1 (R.D.S.); Myrtle Warbler, 28; House Sparrow, 321; Eastern Meadowlark, 238; **Western Meadowlark,** 2; Red-winged Blackbird, 869 (775±75, 94); Purple Grackle, 17,421 (15,000±1000, 2421); Brown-headed Cowbird, 1550 (1300±100, 250); Cardinal, 262; Purple Finch, 7; Am. Goldfinch, 15; Eastern Towhee, 4; Savannah Sparrow, 48; Leconte's Sparrow, 2; Slate-colored Junco, 127; Field Sparrow, 31; White-crowned Sparrow, 15; White-throated Sparrow, 238; Fox Sparrow, 29; Swamp Sparrow, 10; Song Sparrow, 46; Lapland Longspur, 185. **Total,** 82 species; about 28,208 individuals. Solitary Vireo first record here but 4 winter records at Memphis. One completely white cowbird; one grackle with white in tail and large white areas in wing.—Ben B. Coffey, Jr., Mrs. Floy Barefield, Mr. and Mrs. Robert J. Dunbar, Harry Geyer, Charles Marcus, Charles McPherson, Jr., Edwin Poole, Alice H. Smith, R. Demett Smith, Jr., Alan Ziegler.

**241. Tupelo, Miss.** (same area as in 1946-50; open farmlands and Legion Lake 35%, town with U. S. Fish Hatchery, Gum Pond and old fields nearby 35%, deciduous woods and lake of state park 25%, mixed pines and hardwoods 5%, latter reduced account heavy rain 2-3 and 4 p.m.).—Dec. 25; 7 a.m. to 4:05 p.m. Overcast, occ. rain; temp. 52° to 56°; wind (a.m.) S, 10-15 m.p.h.; muddy; rain halted count. Two observers in one car, separately on foot. Total party-hours, 8 (6 on foot, 2 by car); total party-miles, 24 (6 on foot, 18 by car). Pied-billed Grebe, 8; Great Blue Heron, 1; Turkey Vulture, 3; Black Vulture, 14; Cooper's Hawk, 1; Red-tailed Hawk, 3; Marsh Hawk, 1; Sparrow Hawk, 4; Bob-white, 2; Am. Coot, 2; Killdeer, 114; Wilson's Snipe, 32; Least Sandpiper, 1 (3rd record here); Mourning Dove, 13; Belted Kingfisher, 2; Yellow-shafted Flicker, 11; Pileated Woodpecker, 2; Red-bellied Woodpecker, 12; Hairy Woodpecker, 2; Downy Woodpecker, 7; Eastern Phoebe, 1; Blue Jay, 8; Am. Crow, 20; Tufted Titmouse, 1; White-breasted Nuthatch, 3; Brown Creeper, 1; Carolina Wren, 2; Mockingbird, 3; Brown Thrasher, 1; Am. Robin, 3; Hermit Thrush, 5; Eastern Bluebird, 3; Golden-crowned Kinglet, 4; Water Pipit, 1; Loggerhead Shrike, 5; Common Starling, 413; Myrtle Warbler, 1; Pine Warbler, 2; House Sparrow, 145; Eastern Meadowlark, 33; Red-winged Blackbird, 37; unidentified blackbirds, 7750; Purple Grackle, 407; Cardinal, 48; Purple Finch, 1; Am. Goldfinch, 19; Eastern Towhee, 3; Savannah Sparrow, 10; Slate-colored Junco, 94; Field Sparrow, 45; White-crowned Sparrow, 1; White-throated Sparrow, 57; Fox Sparrow, 13; Swamp Sparrow, 26; Song Sparrow, 31; Lapland Longspur, 30. **Total,** 55 species; about 9462 individuals. No ducks; Gum Pond partly drained; with its planned draining we terminate this series of counts, 1937-40, 1946-51, at Tupelo.—Ben B. Coffey, Jr., R. Demett Smith, Jr.

**242. Ann Arbor, Mich.** (Huron River valley and adjoining areas from 8 miles west of town to 4 miles east of town; bottomland and river 35%, deciduous woodlots 24%, coniferous plantations 16%, fields and roadsides 25%).—Dec. 27; 8-12 a.m., 1-4 p.m. Mostly clear; temp. 12° to 22°; wind W, 1-5 m.p.h.; 15-20-in. snow; lakes frozen, river mostly frozen. Four observers in 2 parties in a.m., 1 in p.m. Total party-hours, 12½ (10½ on foot, 2 by car); total party-miles, 40 (10 on foot, 30 by car). Mallard, 2; Black Duck, 9; Am. Golden-eye, 57; Red-tailed Hawk, 3; Ring-necked Pheasant, 15; Am. Coot, 1; Herring Gull, 1; Mourning Dove, 40; Belted Kingfisher, 1; Red-headed Woodpecker, 3; Hairy Woodpecker, 2; Downy Woodpecker, 9; Blue Jay, 28; Am. Crow, 2; Black-capped Chickadee, 31; Tufted Titmouse, 8; White-breasted Nuthatch, 9; Red-breasted Nuthatch, 1; Cedar Waxwing, 15; Common Starling, 5; House Sparrow, 230 (est.); Cardinal, 9; Pine Grosbeak, 10; Am. Goldfinch, 10; Am. Tree Sparrow, 24; Song Sparrow, 1. **Total,** 26 species; about 526 individuals. —Ralph Branch, Chas. Carpenter, Harry Hann (compiler), Keith Taylor (Washtenaw Chapter, Michigan Audubon Society).

**243. Battle Creek, Mich.** (from center of town to Gull Lake; Kalamazoo River west of city to Augusta then to Gull Lake and return; Wintergreen Lake; in parts of Calhoun and Kalamazoo counties; open farmland 60%, wooded river-bank areas 30%, other 20%).—Dec. 23; 7 a.m. to 5 p.m. Cloudy in a.m., clear in p.m.; temp. 3° to 30°; no wind; 15-21-in. snow. Eight observers in 4 parties. Total party-hours, 43 (24 on foot, 12 by car, 7 feeding stations); total party-miles, 71 (19 on foot, 52 by car). Canada

Goose, 2289; Mallard, 18; Black Duck, 25; Am. Golden-eye, 99; Am. Merganser, 11; Cooper's Hawk, 1; Bald Eagle (?), 1; Bob-white, 4+; Ring-necked Pheasant, 5; Herring Gull, 2; Mourning Dove, 2; Belted Kingfisher, 1; Yellow-shafted Flicker, 2; Red-bellied Woodpecker, 5; Hairy Woodpecker, 5; Downy Woodpecker, 11; Horned Lark, 1; Blue Jay, 55; Am. Crow, 6; Black-capped Chickadee, 65; Tufted Titmouse, 22; White-breasted Nuthatch, 14; Red-breasted Nuthatch, 2; Brown Creeper, 6; Am. Robin, 2; Golden-crowned Kinglet, 2; Common Starling, 242; House Sparrow, 177; Cardinal, 63; Purple Finch, 30; Pine Grosbeak, 12; Common Redpoll, 5; Am. Goldfinch, 4; Slate-colored Junco, 9; Am. Tree Sparrow, 21; Song Sparrow, 2. **Total,** 36 species; 3221 individuals. (Seen Dec. 25: Catbird, 1.)—Lawrence H. Walkinshaw (compiler), Robert Cornell, Mrs. L. C. Nielsen, Arthur Staebler, Mrs. H. J. Theis, Mrs. Clarence Walker, Jim Walkinshaw, Clifford Walters.

244. **Bay City, Mich.** (area same as in 1950).—Dec. 23; 8:30 a.m. to 4:30 p.m. Cloudy; temp. 15° to 22°; wind N to NE, 1-5 m.p.h.; 15-in. snow, Saginaw Bay open near mouth of Saginaw River, Tittabawassee River open, all other water frozen. Two observers in 1 party. Total party-hours, 16 (5 on foot, 11 by car); total party-miles, 120 (6 on foot, 114 by car). Mallard, 71; Black Duck, 102; Am. Golden-eye, 6; Hooded Merganser, 3; Am. Merganser, 110; Red-shouldered Hawk, 1; Bald Eagle, 1; Marsh Hawk, 2; Ring-necked Pheasant, 375; Am. Coot, 4; Herring Gull, 8; Ring-billed Gull, 8; white-winged gull, 1 (immature bird, either Iceland or Glaucous, no comparison gulls available); Mourning Dove, 2; Hairy Woodpecker, 2; Downy Woodpecker, 3; Horned Lark, 5; Blue Jay, 5; Am. Crow, 46; Black-capped Chickadee, 14; Tufted Titmouse, 4; White-breasted Nuthatch, 4; Brown Creeper, 1; Common Starling, 188; House Sparrow, 304; Cardinal, 6; Am. Tree Sparrow, 28. **Total,** 27 species; 1304 individuals.—N. L. Cuthbert, E. E. Kenaga (compiler).

245. **Boyne City, Mich.** (area same as in 1950).—Dec. 29; 8:30 a.m. to 4:30 p.m. Cloudy; temp. 25° to 34°; no wind; 20-in. snow, Lake Michigan, Round Lake and streams open, Lake Charlevoix frozen. One observer. Total hours, 8 (2 on foot, 6 by car); total miles, 60 (3 on foot, 57 by car). Mallard, 50; Black Duck, 14; Lesser Scaup, 18; Am. Golden-eye, 92; Am. Merganser, 60; Herring Gull, 2420; Ring-billed Gull, 420; Hairy Woodpecker, 2; Downy Woodpecker, 3; Blue Jay, 2; Black-capped Chickadee, 3; White-breasted Nuthatch, 3; Red-breasted Nuthatch, 5; Golden-crowned Kinglet, 2; Gray Shrike, 1; Common Starling, 80; House Sparrow, 172; Cardinal, 3; Evening Grosbeak, 10; Pine Grosbeak, 14; Common Redpoll, 70; Am. Goldfinch, 11; Am. Tree Sparrow, 6; Snow Bunting, 8. **Total,** 24 species; 3469 individuals.—E. E. Kenaga.

246. **Detroit, Mich.** (same area as covered on last 6 years' counts).—Dec. 23; 8 a.m. to 5 p.m. Partly cloudy; temp. 16° to 30°; wind WSW, 5 m.p.h.; ground covered with 16-in. snow; lakes frozen. Twenty-five observers in 10 parties. Total party-hours, 71 (25 on foot, 46 by car); total party-miles, 487 (27 on foot, 460 by car). Mallard, 44; Am. Golden-eye, 4; Cooper's Hawk, 3; Red-tailed Hawk, 8; Red-shouldered Hawk, 2; Rough-legged Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 9; Bob-white, 89; Ring-necked Pheasant, 562; Herring Gull, 2; Mourning Dove, 67; Belted Kingfisher, 2; Yellow-shafted Flicker, 3; Hairy Woodpecker, 6; Downy Woodpecker, 66; Horned Lark, 27 (including 13 Northern—D.B.S.); Blue Jay, 142; Am. Crow, 93; Black-capped Chickadee, 265; Tufted Titmouse, 29; White-breasted Nuthatch, 57; Red-breasted Nuthatch, 3; Brown Creeper, 9; Brown Thrasher, 1 (injured wing—W.P.N., B.C.); Am. Robin, 1; Golden-crowned Kinglet, 5; shrike (sp.), 3; Common Starling, 568; House Sparrow, 1623; Cardinal, 144; Purple Finch, 6; Pine Grosbeak, 35; Am. Goldfinch, 22; Slate-colored Junco, 111; Am. Tree Sparrow, 377; Song Sparrow, 4. **Total,** 37 species (1 additional subspecies); 4394 individuals.—Leslie Cherow, Betty Cleland, Edward Cutler, Rupert Cutler, Frank Damm, Donna Hash, Alice Kelley, Neil Kelley, George Kelly, Lawrence Lenz, Verna Lenz, Doris McMillan, John McMillan, Douglas Middleton, Walter Nickell, Oscar Noren, Ralph O'Reilly, Jr. (compiler), Georgia Sanderson, Ken Sanderson, Don Savery, Geraldine Suprenant, Yvonne Suprenant, V. P. Woodbury, Harriet Woolfenden, Shirley Worden (Detroit Audubon Society).

247. **Imlay City, Mich.** (same area as in 1949-50; farms and open pasture lands 50%, fence rows and abandoned brush-covered fields 33%, deciduous woodlots 10%, marshes, pond and stream edges 5%, white cedar swamps 1%, village and suburbs 1%).—Dec. 30; 7:30 a.m. to 5 p.m. Cloudy until 4 p.m.; temp. 34° to 40°; wind W, 5 m.p.h.; ground covered with 24-in. snow, ponds frozen, streams open. Seven observers in 3 parties. Total party-hours, 26 (3 on foot, 23 by car); total party-miles, 182 (4 on foot, 178 by car). Cooper's Hawk, 5; Red-tailed Hawk, 19; Rough-legged Hawk, 3; Marsh Hawk, 4; Sparrow Hawk, 3; Ruffed Grouse, 12; Ring-necked Pheasant, 143; Herring Gull, 1; Mourning Dove, 47; Screech Owl, 2; Long-eared Owl, 1; Yellow-shafted Flicker, 1; **Yellow-bellied Sapsucker,** 1 (adult ♀; all field marks noted); Hairy Woodpecker, 7; Downy Woodpecker, 36; Horned Lark, 22; Blue Jay, 64; Am. Crow, 522; Black-capped Chickadee, 135; **Brown-capped Chickadee,** 1; Tufted Titmouse, 10; White-breasted Nuthatch, 25; Brown Creeper, 4; Golden-crowned Kinglet, 2; Common Starling, 224; House Sparrow, 2312; Cardinal, 79; **Pine Grosbeak,** 15; Am. Goldfinch, 82; Slate-colored Junco, 79; Am. Tree Sparrow, 192; Song Sparrow, 3; Lapland Longspur, 20; Snow Bunting, 192. **Total,** 34 species; 4268 individuals. (Seen in area Dec. 23: Short-eared Owl, 1.)—Martha A. Lengemann (compiler), Alice D. Miller, William Mussnig, Marian Zimmerman, Leta Pearl Zimmerman, L. M. Zimmerman, Dale Zimmerman.

**248. Kalamazoo, Mich.** (area same as last year; roadside 45%, open farmland 30%, deciduous woods 15%, shrubby marsh 5%, running water 5%).—Dec. 29; 8:30 a.m. to 5 p.m. Cloudy, bright; temp. 25° to 44°; wind S to SW, 8-15 m.p.h.; 24-in. soft snow; only running water unfrozen. Seventeen observers in 8 parties. Total party-hours, 25 (13 on foot, 12 by car); total party-miles, 202 (14 on foot, 88 by car). Pied-billed Grebe, 1; Great Blue Heron, 2; Black Duck, 11; Am. Golden-eye, 98; Am. Merganser, 20; Cooper's Hawk, 1; Red-shouldered Hawk, 1; Sparrow Hawk, 4; Bob-white, 11; Ring-necked Pheasant, 29; Herring Gull, 2; Mourning Dove, 24; Belted Kingfisher, 4; Yellow-shafted Flicker, 1; Hairy Woodpecker, 3; Downy Woodpecker, 28; Horned Lark (Prairie), 6; Blue Jay, 110; Am. Crow, 160; Black-capped Chickadee, 142; Tufted Titmouse, 43; White-breasted Nuthatch, 28; Red-breasted Nuthatch, 3; Brown Creeper, 1; Golden-crowned Kinglet, 1; Common Starling, 168; House Sparrow, 1197; Cardinal, 79; Evening Grosbeak, 29; Purple Finch, 1; Pine Grosbeak, 12 (small flocks all across southern Mich.); Am. Goldfinch, 15; Slate-colored Junco, 102; Am. Tree Sparrow, 96; Song Sparrow, 3. **Total,** 35 species; 2436 individuals.—J. Avery, A. Cook, C. B. Cook, C. Dann, R. Deur, W. Freyburger, G. A. Hall (compiler), K. Limpus, B. Mott, L. Ritsema, E. Skillman, J. Skillman, M. Thompson, J. Webb, K. Webb, H. Wiles, H. O. Wiles (Audubon Society of Kalamazoo).

**249. Mount Clemens, Mich.** (circle of 15-mile diameter in Macomb and St. Clair Counties, surrounding Anchor Bay, Lake St. Clair, extending west to boundary of St. Clair Metropolitan Beach, north to Casco, and east to western city limits of Algonac and southeastern shore of Harsens Island; open farmland 30%, roadside borders 35%, second-growth deciduous woodlands 15%, cattail marsh edges 5%, towns and suburbs 5%, open water 8%, farm buildings 1%, feeding stations 1%).—Dec. 29; 8 a.m. to 4:30 p.m. Overcast; temp. 30° to 38°; wind SW, 5-6 m.p.h.; ground covered with 13-24-in. snow; Anchor Bay frozen over with 5-in. ice, small patches of open water at Huron Point, Anchor Bay Drive, and Harsens Island. Seventeen observers in 5 parties. Total party-hours, 36½ (7¾ on foot, 28¾ by car); total party-miles, 275 (11 on foot, 264 by car). Pied-billed Grebe, 1; Blue-winged Teal, 1 [no details—Ed.]; Redhead, 5; Canvas-back, 27; Greater Scaup, 4; Lesser Scaup, 4; Am. Golden-eye, 42; Buffle-head, 2; Hooded Merganser, 6; Am. Merganser, 7; Red-breasted Merganser, 2; Red-tailed Hawk, 2; Rough-legged Hawk, 3; Bald Eagle, 1; Marsh Hawk, 5; Sparrow Hawk, 3; Bob-white, 28; Ring-necked Pheasant, 118; Herring Gull, 40; Ring-billed Gull, 35; Mourning Dove, 21; Yellow-shafted Flicker, 1; Downy Woodpecker, 9; Horned Lark, 22; Blue Jay, 68; Am. Crow, 36; Black-capped Chickadee, 51; Tufted Titmouse, 15; White-breasted Nuthatch, 12; Red-breasted Nuthatch, 1; Brown Creeper, 1; Common Starling, 136; House Sparrow, 1116; Cardinal, 22; Common Redpoll, 1; Am. Goldfinch, 11; Slate-colored Junco, 5; Am. Tree Sparrow, 83; White-throated Sparrow, 2; Song Sparrow, 1; Lapland Longspur, 1; Snow Bunting, 396. **Total,** 42 species; 2347 individuals.—Mrs. Ben Boldt, Julie Brush, Bertha Daubendiek (compiler), Mary Ellen Evans, Jim Kammer, Bruce Lawrence, Nancy Ann MacDuff, Mr. and Mrs. Harold Priebe, Madge Prior, Charles Schmidt, Mr. and Mrs. Louis Senghas, Nancy Senghas, Thelma Sonnenberg, Elton Stilwell, Donald Walker (St. Clair Metropolitan Beach Bird Study Group).

**250. Muskegon, Mich.** (Muskegon State Park along Scenic Drive to Muskegon Lake shore through city of Muskegon to Lake Michigan channel; lake shore 80%, town and suburbs 10%, mixed forest 10%).—Dec. 29; 9 a.m. to 5:30 p.m. Overcast; temp. 28° to 37°; wind S, 10-15 m.p.h.; ground covered with 15-24-in. snow. Nine observers in 1 party. Total party-hours, 8½ (6½ on foot, 2 by car); total party-miles, 17 (6 on foot, 11 by car). Black Duck, 3; Canvas-back, 5; Lesser Scaup, 74; Am. Golden-eye, 36, Buffle-head, 2; Old-squaw, 2; Am. Merganser, 30; Ring-necked Pheasant, 4; Herring Gull, 133; Downy Woodpecker, 6; Blue Jay, 22; Am. Crow, 2; Black-capped Chickadee, 25; Tufted Titmouse, 5; White-breasted Nuthatch, 4; Red-breasted Nuthatch, 1; Brown Thrasher, 1; Golden-crowned Kinglet, 1; Common Starling, 73; House Sparrow, 75; Cardinal, 7; Evening Grosbeak, 16; Purple Finch, 2; Pine Grosbeak, 5; Pine Siskin, 1; Am. Goldfinch, 4; Slate-colored Junco, 20; Am. Tree Sparrow, 14; Snow Bunting, 40. **Total,** 29 species; 613 individuals.—Dan Andrews, Almeda Boulton, Roland DeWitt, Margaret Drake Elliott, Robert Moblo, Esther Roossinck, Pearl Roossinck, Richard Warren, George M. Wickstrom (Muskegon County Bird Club).

**251. Northville, Mich.** (4-mile radius centering halfway between Northville and Plymouth, and including portions of both, plus part of city of Livonia; plowed land 50% [50% with unharvested grain], town suburbs 10%, deciduous farm and institutional woodlots 20%, pasture 10%, cattail marsh 10%).—Dec. 30; 8 a.m. to 5 p.m. Cloudy in a.m., clear in p.m.; temp. 35° to 40°; wind W to E, 5 m.p.h.; a foot of moist snow; ponds frozen, some brooks clear. One observer. Total hours, 8 (0 on foot, 8 by car); total party-miles, 26 (by car). Sharp-shinned Hawk, 2; buteo (sp.), 1; Sparrow Hawk, 1; Bob-white, 19; Ring-necked Pheasant, 20; Mourning Dove, 54; Hairy Woodpecker, 1; Downy Woodpecker, 5; Blue Jay, 5; Black-capped Chickadee, 5; Tufted Titmouse, 3; White-breasted Nuthatch, 4; Common Starling, 24; House Sparrow, 208; Cardinal, 8; Am. Tree Sparrow, 31; Song Sparrow, 2. **Total,** 17 species; 393 individuals. (Seen in area Dec. 22: Horned Lark, 23; Dec. 23: Slate-colored Junco, 2; Ring-necked Pheasant, 40.)—Harold S. Hartley.

**252. Owosso, Mich.** (north to Henderson Park and beyond to county line, south to Spring Brook near Bennington; roadside 10%, open farmland 35%, deciduous woods 25%, pine plantation 5%, tamarack bog 15%, open water, river and brook, 10%).—

Dec. 28; 8 a.m. to 5 p.m. Mostly cloudy; temp. 18° to 30°; wind SW, 5-15 m.p.h.; 14-in. snow; river and brook mostly frozen. Two observers in 1 party. Total party-hours, 9 (6 on foot, 3 by car); total party-miles, 35 (7 on foot, 28 by car). Am. Golden-eye, 15; Rough-legged Hawk, 1; Ring-necked Pheasant, 17; Mourning Dove, 10; Hairy Woodpecker, 1; Downy Woodpecker, 6; Blue Jay, 8; Am. Crow, 23; Black-capped Chickadee, 24; Tufted Titmouse, 4; White-breasted Nuthatch, 4; Brown Creeper, 1; Common Starling, 12; House Sparrow, 93; Cardinal, 9; Slate-colored Junco, 9; Am. Tree Sparrow, 30. **Total,** 17 species; 267 individuals.—Bruce Bates, Bruce Wilson.

**253. Bloomington, Ind.** (same area and habitat coverage as in 1950).—Dec. 30; 6 a.m. to 6 p.m. Overcast, fog frequently heavy in bottoms and on some hillsides, light rain most of a.m.; temp. 50° throughout day; no wind; muddy with remnants of snow and ice, lakes frozen, streams open. Three observers in 1 party. Total party-hours, 15½ (8½ on foot, 7 by car); total party-miles, 97 (7 on foot, 90 by car). Red-tailed Hawk, 3; Red-shouldered Hawk, 2; Sparrow Hawk, 2; Ruffed Grouse, 1; Killdeer, 8; Wilson's Snipe, 8; Ring-billed Gull, 1; Mourning Dove, 50; Barred Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 13; Pileated Woodpecker, 5; Red-bellied Woodpecker, 12; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 3; Blue Jay, 65; Am. Crow, 2; Carolina Chickadee, 8; Tufted Titmouse, 9; White-breasted Nuthatch, 4; Brown Creeper, 4; Carolina Wren, 5; Mockingbird, 3; Am. Robin, 2; Eastern Bluebird, 4; Common Starling, 409; House Sparrow, 102; Eastern Meadowlark, 24; Red-winged Blackbird, 1; Rusty Blackbird, 1; Purple Grackle, 1; Brown-headed Cowbird, 15; Cardinal, 107; Purple Finch, 1; Am. Goldfinch, 18; Eastern Towhee, 10; Slate-colored Junco, 74; Am. Tree Sparrow, 116; Field Sparrow, 13; Fox Sparrow, 1; Song Sparrow, 14. **Total,** 43 species; 1128 individuals. (Seen in area Dec. 28: Red-breasted Nuthatch, 1.)—J. Andrews, S. Crowell, Val Nolan, Jr. (compiler).

**254. Hovey Lake State Game Preserve, Posey Co., Ind.** (same as 1950).—Dec. 23; 5 a.m. to 5:15 p.m. Fifty per cent alto-cumulus clouds; temp. 25° to 40°; wind W, 6-8 m.p.h.; ground bare; rivers and lake open, ponds and sloughs frozen. Six observers in 3 parties. Total party-hours, 29 (15 on foot, 11 by car, 3 by boat); total party-miles, 75 (18 on foot, 55 by car, 2 by boat). Great Blue Heron, 4; Canada Goose, 42; Mallard, 7000; Black Duck, 1000; Pintail, 2; Green-winged Teal, 1; Redhead, 10; Ring-necked Duck, 50; Canvas-back, 2000; Lesser Scaup, 20; Am. Golden-eye, 75; Buffle-head, 1; Hooded Merganser, 1; Am. Merganser, 26; Cooper's Hawk, 2; Red-tailed Hawk, 6; Red-shouldered Hawk, 11; Rough-legged Hawk, 2; Bald Eagle, 1; Marsh Hawk, 24; Sparrow Hawk, 6; Herring Gull, 26; Ring-billed Gull, 11; Mourning Dove, 73; Horned Owl, 1; Barred Owl, 9; Belted Kingfisher, 1; Yellow-shafted Flicker, 32; Pileated Woodpecker, 4; Red-bellied Woodpecker, 77; Red-headed Woodpecker, 12; Yellow-bellied Sapsucker, 11; Hairy Woodpecker, 2; Downy Woodpecker, 34; Horned Lark, 17; Blue Jay, 48; Am. Crow, 217; Carolina Chickadee, 62; Tufted Titmouse, 53; White-breasted Nuthatch, 20; Brown Creeper, 17; Winter Wren, 3; Carolina Wren, 14; Catbird, 1; Am. Robin, 2; Hermit Thrush, 4; Eastern Bluebird, 23; Golden-crowned Kinglet, 4; Cedar Waxwing, 9; Common Starling, 543; Myrtle Warbler, 3; House Sparrow, 54; Eastern Meadowlark, 12; Red-winged Blackbird, 58; Rusty Blackbird, 1; Purple Grackle, 72; Brown-headed Cowbird, 5; Cardinal, 152; Purple Finch, 5; Am. Goldfinch, 40; Eastern Towhee, 13; Slate-colored Junco, 103; Am. Tree Sparrow, 400; Field Sparrow, 12; White-crowned Sparrow, 13; White-throated Sparrow, 22; Swamp Sparrow, 1; Song Sparrow, 34. **Total,** 68 species; about 12,604 individuals.—W. B. Barnes, J. B. Cope (compiler), P. Kahl, Mr. and Mrs. R. F. Myers, M. C. Reeves.

**255. Indianapolis, Ind.** (1¾ miles southwest, through center of town, 13 miles northeast, 2 miles west, 3 miles east; Sewage Disposal Plant, along White River, Holliday Park, Geist Reservoir, Irvington, and Riverside Park; open farmlands 12%, business district 5%, residential sections 25%, lake area 4%, edge of river 18%, woods 10%, city parks 26%).—Dec. 22; 6 a.m. to 4:25 p.m. Partly cloudy in early a.m., clear remainder of day; temp. 8° to 25°; wind SW, 8-12 m.p.h.; except for 30 minutes bracketing noon, when there were gusts to 40 m.p.h.; reservoir completely frozen, rivers 85% frozen (only narrow, swift areas open). Thirteen observers in 5 parties. Total party-hours, 39 (average time in field 5.1 hours); total party-miles, 176 (134 by car, 42 on foot). Pied-billed Grebe, 3; Great Blue Heron, 1; Mallard, 8; Black Duck, 64; Pintail, 1; Green-winged Teal, 1; Wood Duck, 2; Lesser Scaup, 2; Am. Golden-eye, 5; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Bald Eagle, 1; Marsh Hawk, 3; Sparrow Hawk, 4; Am. Coot, 1; Herring Gull, 1; Mourning Dove, 7; Barn Owl, 1; Barred Owl, 1; Long-eared Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 19; Red-bellied Woodpecker, 2; Hairy Woodpecker, 2; Downy Woodpecker, 33; Horned Lark, 10; Blue Jay, 18; Am. Crow, 135 (±10); Carolina Chickadee, 22; Tufted Titmouse, 25; White-breasted Nuthatch, 7; Brown Creeper, 22; Carolina Wren, 4; Common Starling, 2560 (±100); Myrtle Warbler, 1; House Sparrow, 113; Cardinal, 150; Purple Finch, 2; Am. Goldfinch, 18; Slate-colored Junco, 74; Am. Tree Sparrow, 98; Song Sparrow, 27. **Total,** 42 species; 3452 (±110) individuals. (Seen in area of count Dec. 23: Red-shouldered Hawk, 1; Dec. 26: Screech Owl, 1; Dec. 27: Am. Merganser, 1; Red-tailed Hawk, 1; Eastern Meadowlark, 10; Dec. 28: Red-breasted Nuthatch, 1; Mockingbird, 1; Dec. 29: Eastern Towhee, 1; Dec. 30: Ruddy Duck, 1; Shoveller, 1; Jan. 1: Brown Thrasher, 1 [J.M.S.].)—William B. Barnes, Mildred Campbell, Mr. and Mrs. Joel Hadley, Philip Kahl, Charles Marks, Otto Mengering, Ed. Mockford, Dale Rice, John M. Satter, Henry C. West (compiler),

Dorothy White, Howard F. Wright (Amos W. Butler Chapter, Indiana Audubon Society).

**256. Jasper-Pulaski State Game Preserve, Medaryville, Ind.** (circuit of marsh and vicinity plus display pond at headquarters; marsh and marsh border 45%, pine plantings 15%, old fields and cultivated fields 20%, woodlands 10%, woods border 5%, residential 5%).—Dec. 23; 7:45 a.m. to 1:45 p.m. Clear; temp. 29° to 36°; wind W, 1-6 m.p.h.; 8-in. snow on ground, some small springs and ditches open but rest of marsh frozen. Two observers together. Total hours, 6 (5 on foot, 1 by car); total miles, 11 (7 on foot, 4 by car). Am. Bittern, 1 (flew well and squawked when flushed); Canada Goose, 52; Mallard, 25; Black Duck, 2; Lesser Scaup, 1; Am. Merganser, 2; Ring-necked Pheasant, 2; Herring Gull, 1; Mourning Dove, 4; Red-headed Woodpecker, 6; Hairy Woodpecker, 1; Downy Woodpecker, 3; Blue Jay, 32; Am. Crow, 6; Black-capped Chickadee, 12; Tufted Titmouse, 9; White-breasted Nuthatch, 2; Brown Creeper, 1; Common Starling, 7; House Sparrow, 27; Cardinal, 12; Am. Goldfinch, 7; Slate-colored Junco, 38; Am. Tree Sparrow, 15; Swamp Sparrow, 1; Song Sparrow, 2. **Total,** 26 species; 271 individuals.—Mr. and Mrs. Russell E. Mumford.

**257. Lafayette, Ind.** (same as 1946 and subsequent years; river bottom 32%, creek bottom 23%, cultivated fields 17%, uncultivated fields 9%, low woods and brush 8%, upland deciduous woods 5%, evergreen woods 2%, marsh 4%).—Dec. 24; 6 a.m. to 4:15 p.m. Cloudy; temp. −2° to 20°; wind W, SW to NE, 2-20 m.p.h.; 5-8-in. crusted snow; streams largely frozen. Thirteen observers in 6 parties. Total party-hours, 32½ (29½ on foot, 3 by car); total party-miles, 65 (34 on foot, 31 by car). Canada Goose, 32; Black Duck, 1; Lesser Scaup, 1; Am. Golden-eye, 65; Am. Merganser, 42; Cooper's Hawk, 2; Red-tailed Hawk, 5; Rough-legged Hawk, 4; Bald Eagle, 1; Marsh Hawk, 3; Sparrow Hawk, 2; Bob-white, 19; Ring-necked Pheasant, 5; Herring Gull, 6; Ring-billed Gull, 5; Mourning Dove, 22; Horned Owl, 1; Long-eared Owl, 3; Belted Kingfisher, 3; Yellow-shafted Flicker, 20; Red-bellied Woodpecker, 28; Red-headed Woodpecker, 6; Hairy Woodpecker, 8; Downy Woodpecker, 96; Horned Lark, 39; Blue Jay, 79; Am. Crow, 474; Black-capped Chickadee, 44; Tufted Titmouse, 101; White-breasted Nuthatch, 22; Red-breasted Nuthatch, 1; Brown Creeper, 41; Winter Wren, 1; Carolina Wren, 7; Golden-crowned Kinglet, 1; shrike (sp.), 1; Common Starling, 61; Myrtle Warbler, 1; House Sparrow, 115; Eastern Meadowlark, 21; Red-winged Blackbird, 3; Cardinal, 124; Purple Finch, 12; Am. Goldfinch, 18; Slate-colored Junco, 163; Am. Tree Sparrow, 127; Swamp Sparrow, 5; Song Sparrow, 83. **Total,** 48 species; 1924 individuals. (Seen in area Dec. 22: Short-eared Owl, 1.)—Irving Burr, Terry Burr, Karleton Crain, Marvin DeJonge, James Hawkins, Roger Hoffman, Charles Kirkpatrick, Richard Kizer, Russell Mumford, Dale Samson, Gordon Walker, Merritt Webster, Roy Whistler.

**258. Michigan City, Ind.** (7½-mile radius centering on U. S. Highway 12 at Beverly Shores, east to Michigan City, west to Bailytown; lake shore and harbor 40%, deciduous woods 20%, marshes 15%, coniferous woods 10%, river banks 5%, tamarack bog 5%, dwellings 5%).—Dec. 30; 7 a.m. to 5 p.m. Sunny; temp. 29° to 38°; wind SW, 12 m.p.h.; marshes frozen, river open, harbor mostly open, Lake Michigan ice to 100 yards from shore; 6-20-in. snow. Four observers in 2 parties. Total party-hours, 10 (7 on foot, 3 by car); total party-miles, 48 (6 on foot, 42 by car). Black Duck, 35; Canvas-back, 1; Lesser Scaup, 20; Am. Golden-eye, 361; Buffle-head, 325; Old-squaw, 1000; White-winged Scoter, 1; Am. Merganser, 850; Red-breasted Merganser, 8; hawk (sp.), 1; Ring-necked Pheasant, 1; Herring Gull, 121; Ring-billed Gull, 21; Red-bellied Woodpecker, 1; Red-headed Woodpecker, 4; Hairy Woodpecker, 4; Downy Woodpecker, 10; Blue Jay, 45; Am. Crow, 4; Black-capped Chickadee, 25; Tufted Titmouse, 8; White-breasted Nuthatch, 9; Common Starling, 19; House Sparrow, 200; Red-winged Blackbird, 42; Cardinal, 12; Evening Grosbeak, 2; Pine Grosbeak, 7; Am. Goldfinch, 2; Slate-colored Junco, 20; Am. Tree Sparrow, 22; Song Sparrow, 6; Snow Bunting, 3. **Total,** 33 species; 3190 individuals. (Reported from area during count period: Mallard, Redhead, Hooded Merganser, Bonaparte's Gull, Yellow-shafted Flicker, Red-breasted Nuthatch, Carolina Wren, Rusty Blackbird, Eastern Towhee, White-crowned Sparrow, White-throated Sparrow.)—Mr. and Mrs. Raymond Grow, Mr. and Mrs. Simon Segal.

**259. Northern Porter County, Ind.** (same as last year; deciduous woods 50%, marshes 20%, lake shore 10%, lawns and shrubs 10%, river bank 5%, coniferous woods 5%).—Dec. 27; 8 a.m. to 5 p.m. Sunny; temp. −1° to 16°; wind W, 4 m.p.h.; all water frozen, Lake Michigan ice extending about 1 mile out; 6-24-in. snow. Two observers in 1 party. Total party-hours, 9 (on foot); total party-miles, 12 (on foot). Am. Merganser, 80; Ring-necked Pheasant, 1; Herring Gull, 200; Ring-billed Gull, 4; Red-headed Woodpecker, 2; Hairy Woodpecker, 3; Downy Woodpecker, 6; Blue Jay, 18; Am. Crow, 2; Black-capped Chickadee, 15; Tufted Titmouse, 1; Red-breasted Nuthatch, 1; Common Starling, 6; House Sparrow, 50; Cardinal, 4; Evening Grosbeak, 4; Am. Goldfinch, 4; Slate-colored Junco, 6; Am. Tree Sparrow, 24; Lapland Longspur, 2; Snow Bunting, 5. **Total,** 21 species; 438 individuals. (Seen in area Dec. 16: Brown-capped Chickadee, which had been in same locality several weeks; Pine Grosbeak.)—Paul Davis, Raymond Grow.

[Joel X. Sweet and Merrill Sweet covered essentially the same area as the above two counts on Dec. 23, and recorded the following additional species: Hooded Merganser, 4; Marsh Hawk, 2; Sparrow Hawk, 4; Bob-white, 14; Horned Lark, 18; Common Redpoll, 16; Lapland Longspur, 1. **Total,** 23 species; 447 individuals—Ed.]

**260. Pokagan State Park, Steuben Co., Ind.** (Potawatomi Inn, to old CCC camp to Hell's point to Jamestown to Lake James; residential 10%, ever-

greens 20%, deciduous uplands 35%, lake shore 10%, bottomland 10%, agricultural land 15%).—Dec. 29; 8 a.m. to 4 p.m. One hundred per cent alto-cumulus clouds, fog at 3:30; temp. 25° to 45°; wind SW, 13-18 m.p.h.; 18-in. snow; lakes and ponds frozen, rivers and streams partly open. Three observers in 1 party. Total party-hours, 8 (5 on foot, 3 by car); total party-miles, 20 (5 on foot, 15 by car). Am. Golden-eye, 6; Sharp-shinned Hawk, 1; Cooper's Hawk, 3; Red-tailed Hawk, 3; Bob-white, 38; Ring-necked Pheasant, 1; Mourning Dove, 17; Barred Owl, 1; Yellow-shafted Flicker, 2; Red-headed Woodpecker, 7; Hairy Woodpecker, 3; Downy Woodpecker, 11; Blue Jay, 26; Black-capped Chickadee, 42; Tufted Titmouse, 18; White-breasted Nuthatch, 14; Red-breasted Nuthatch, 7; Carolina Wren, 2; Golden-crowned Kinglet, 6; Common Starling, 22; House Sparrow, 485; Cardinal, 15; Pine Grosbeak, 10; Pine Siskin, 15; Am. Goldfinch, 3; Slate-colored Junco, 19; Am. Tree Sparrow, 6; Song Sparrow, 1. **Total,** 28 species; 784 individuals.—J. B. Cope (compiler), Mr. and Mrs. R. F. Myers.

261. **Richmond, Ind.** (same as 1950).—Dec. 27; 8 a.m. to 5 p.m. Clear in a.m., alto-cumulus clouds; temp. 9° to 30°; wind SW, 0-6 m.p.h.; ground covered with 6-8-in. crusted snow; rivers and streams open, ponds frozen. Twelve observers in 4 parties. Total party-hours, 34 (31 on foot, 3 by car); total party-miles, 95 (42 on foot, 53 by car). Great Blue Heron, 1; Canada Goose, 3; Mallard, 10; Black Duck, 42; Am. Golden-eye, 9; Am. Merganser, 3; Cooper's Hawk, 1; Red-tailed Hawk, 5; Rough-legged Hawk, 1; Marsh Hawk, 7; Sparrow Hawk, 1; Mourning Dove, 43; Barred Owl, 3; Belted Kingfisher, 7; Yellow-shafted Flicker, 8; Red-bellied Woodpecker, 18; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 3; Downy Woodpecker, 78; Horned Lark, 53; Blue Jay, 13; Am. Crow, 42; Carolina Chickadee, 126; Tufted Titmouse, 81; White-breasted Nuthatch, 33; Red-breasted Nuthatch, 1; Brown Creeper, 16; Winter Wren, 1; Bewick's Wren, 1; Carolina Wren, 10; Eastern Bluebird, 4; Golden-crowned Kinglet, 1; Cedar Waxwing, 6; Common Starling, 178; House Sparrow, 312; Eastern Meadowlark, 16; Cardinal, 136; Am. Goldfinch, 62; Slate-colored Junco, 83; Am. Tree Sparrow, 145; White-crowned Sparrow, 1; White-throated Sparrow, 1; Swamp Sparrow, 4; Song Sparrow, 147. **Total,** 44 species; 1717 individuals.—J. B. Cope (compiler), L. B. Hunt, H. Keys, R. E. Lewis, G. W. Morgan, R. F. Myers, L. Ripberger, Mrs. C. Snow, J. A. Snow, Mr. and Mrs. C. Swisher, R. Warner (Richmond Audubon and Nature Club).

262. **South Bend, Ind.** (same area as previous counts; deciduous woods 40%, marshland 20%, open farmland 25%, open river 10%, cedar and spruce groves 5%).—Dec. 30; 8 a.m. to 5 p.m. Clear; temp. 30° to 40°; wind SW, 3-8 m.p.h.; 8-20-in. snow, very wet and heavy, on ground; river open, creeks partly open, lakes frozen. Thirteen observers in 4 parties. Total party-hours, 35 (27 on foot, 8 by car); total party-miles, 120 (33 on foot, 87 by car). Mallard, 18; Lesser Scaup, 7; Am. Golden-eye, 332; Buffle-head, 1; Am. Merganser, 29; Goshawk, 1 [no details—Ed.]; Red-tailed Hawk, 2; Red-shouldered Hawk, 2; Sparrow Hawk, 1; Ring-necked Pheasant, 7; Herring Gull, 108; Mourning Dove, 27; Belted Kingfisher, 4; Yellow-shafted Flicker, 3; Red-headed Woodpecker, 4; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 3; Downy Woodpecker, 28; Horned Lark, 10; Blue Jay, 112; Am. Crow, 188; Black-capped Chickadee, 124; Tufted Titmouse, 45; White-breasted Nuthatch, 38; Brown Creeper, 3; Winter Wren, 1; Am. Robin, 1; Golden-crowned Kinglet, 1; Cedar Waxwing, 1; Common Starling, 208; House Sparrow, 630; Eastern Meadowlark, 1; Rusty Blackbird, 1; Cardinal, 99; Purple Finch, 4; Pine Grosbeak, 21; Common Redpoll, 9; Am. Goldfinch, 66; Slate-colored Junco, 99; Am. Tree Sparrow, 129; Song Sparrow, 5; Snow Bunting, 3. **Total,** 42 species; 2378 individuals.—Roy Rogers, M. Dale Harbaugh, Brother Edwin, Ural Coleman, John Pine, Elinor Pine, Richard Freshley, Elmer Rodgers, Hugh L. Woolverton, Janet Kochanowski, John Pauszek, Dorothy Meek, C. K. Barnes (South Bend Audubon Society).

263. **Bird Haven Sanctuary (Richland Co.), Ill.** (7½-mile radius centering on Bird Haven, including city park, dump grounds, cemetery, Big Creek and adjoining fields to west of highway No. 130; open farmlands 70%, deciduous forests 20%, parks and streets of Olney 5%, streams 5%).—Dec. 28; 8 a.m. to 4:30 p.m. Cloudy; temp. 25° to 37°; wind strong; ground bare, some running water in Big Creek. Eight observers in 2 parties. Total party-hours, 18 (3 on foot, 15 by car); total party-miles, 64 (4 on foot, 60 by car). Canada Goose, 1 (seen flying over field; learned after count that one has been at a farm home since spring migration); Goshawk, 2 [no details—Ed.]; Red-shouldered Hawk, 6; Rough-legged Hawk, 7; Marsh Hawk, 22; Sparrow Hawk, 14; Mourning Dove, 20; Barred Owl, 2; Yellow-shafted Flicker, 21; Red-bellied Woodpecker, 12; Hairy Woodpecker, 1; Downy Woodpecker, 12; Blue Jay, 41; Am. Crow, 112; Carolina Chickadee, 14; Tufted Titmouse, 21; White-breasted Nuthatch, 2; Brown Creeper, 1; Carolina Wren, 4; Mockingbird, 1; Am. Robin, 2; Eastern Bluebird, 10; Golden-crowned Kinglet, 2; Loggerhead Shrike, 2; Common Starling, 238; House Sparrow, 263; Eastern Meadowlark, 80; Cardinal, 68; Am. Goldfinch, 6; Eastern Towhee, 2; Slate-colored Junco, 453; Am. Tree Sparrow, 303; White-crowned Sparrow, 8; Song Sparrow, 3. **Total,** 34 species; about 1756 individuals. (Seen in the area week of count: Greater Prairie Chicken, 25; Bob-white, 10; Horned Lark, 12; Purple Grackle, 1.)—Mr. and Mrs. W. R. Bridges, Mrs. Alta Haynes, Wayne Haynes, Mrs. Chester Scherer, Mrs. Vera Scherer Shaw, Pearl Stine, Perna M. Stine (compiler).

264. **Bushnell, Ill.** (same area as last year).—Dec. 30; 8:30 a.m. to 4:30 p.m. Clear in a.m., cloudy and foggy in p.m.; temp. 35° to 42°; wind, calm. Four observers in 1 party. Total party-hours, 26 (12 on foot, 14 by car); total party-miles, 45

(15 on foot, 30 by car). Red-tailed Hawk, 3; Marsh Hawk, 1; Sparrow Hawk, 1; Bob-white, 10; Mourning Dove, 7; Screech Owl, 1; Yellow-shafted Flicker, 2; Red-bellied Woodpecker, 2; Red-headed Woodpecker, 9; Hairy Woodpecker, 1; Downy Woodpecker, 3; Blue Jay, 17; Am. Crow, 13; Black-capped Chickadee, 5; Tufted Titmouse, 7; Brown Creeper, 1; Common Starling, 130; House Sparrow, 350; Cardinal, 13; Slate-colored Junco, 16; Am. Tree Sparrow, 5; Song Sparrow, 4. **Total,** 22 species; 601 individuals.—Patricia R. Scholes, John R. Scholes, Doris R. Scholes, John H. Scholes.

**265. Carterville, Ill.** (15-mile arc east, south and west over Crab Orchard National Wildlife Refuge; hardwood uplands 20%, hardwood bottoms 30%, cultivated fields 15%, marsh buffer 15%, open water 20%).—Dec. 27; 5:45 a.m. to 3 p.m. Clear; temp. 15° to 38°; no wind; ground clear, open holes of water on lake. Two observers in 1 party. Total party-hours, 9 (5 on foot, 4 by car); total party-miles, 75 (5 on foot, 70 by car). Great Blue Heron, 1; Canada Goose, 24,837; Snow Goose, 2; Blue Goose, 3; Mallard, 318; Black Duck, 418; Pintail, 3; Ring-necked Duck, 4; Canvas-back, 5; Lesser Scaup, 9; Am. Golden-eye, 1; Buffle-head, 1; Hooded Merganser, 7; Am. Merganser, 1204; Cooper's Hawk, 1; Red-tailed Hawk, 14; Red-shouldered Hawk, 1; Bald Eagle, 4; Marsh Hawk, 3; Sparrow Hawk, 9; Bob-white, 1; Am. Coot, 38; Herring Gull, 4200; Ring-billed Gull, 2100; Mourning Dove, 1; Barred Owl, 5; Yellow-shafted Flicker, 24; Pileated Woodpecker, 2; Red-bellied Woodpecker, 3; Red-headed Woodpecker, 9; Hairy Woodpecker, 2; Downy Woodpecker, 3; Horned Lark, 1; Blue Jay, 31; Am. Crow, 30; Black-capped [?—Ed.] Chickadee, 71; Tufted Titmouse, 4; Brown Creeper, 19; Carolina Wren, 3; Mockingbird, 3; Am. Robin, 2; Eastern Bluebird, 1; Golden-crowned Kinglet, 4; Common Starling, 87; House Sparrow, 2; Eastern Meadowlark, 107; Red-winged Blackbird, 1000; Purple Grackle (Bronzed), 2; Cardinal, 194; Purple Finch, 4; Am. Goldfinch, 33; Eastern Towhee, 4; Slate-colored Junco, 396; Am. Tree Sparrow, 227; White-crowned Sparrow, 2; Swamp Sparrow, 3; Song Sparrow, 26. **Total,** 57 species; about 35,489 individuals. (Seen in area Dec. 26: Winter Wren, 1.)—Lee Bush, E. E. Crawford (compiler).

**266. Chicago, Ill.** (area same as 1950; deciduous river woods 29%, lake front and harbor 28%, city parks 11%, feeders 7%, cemeteries 7%, open fields 6%, city streets 4%, golf courses 4%, clay and gravel pits 3%, rivers and canals 1%).—Dec. 29; 7 a.m. to dusk. Partly cloudy; temp. 28° to 37°; wind S, 10-15 m.p.h.; ground covered with 12-24-in. snow; lake open, harbors and rivers frozen over. Thirty observers in 6 parties, and at 3 feeders. Total party-hours, 50 (41½ on foot, 5 by car, 3½ at feeders); total party-miles, 106 (32 on foot, 74 by car). Mallard, 111; Black Duck, 10; Pintail, 2; Lesser Scaup, 27; Am. Golden-eye, 2116 (1000±200, 1116); Buffle-head, 3; Old-squaw, 17,669 (13,000±2000, 4669); Hooded Merganser, 1; Am. Merganser, 32,856 (27,000 ±4000, 5856); Red-breasted Merganser, 1685; Cooper's Hawk, 2; Red-tailed Hawk, 1; Red-shouldered Hawk, 4; Rough-legged Hawk, 1; Sparrow Hawk, 10; Bob-white, 1; Ring-necked Pheasant, 192; Iceland Gull (Kumlien's), 1; Herring Gull, 4515 (2700±500, 1815); Ring-billed Gull, 15; Yellow-shafted Flicker, 1; Red-bellied Woodpecker, 1; Hairy Woodpecker, 4; Downy Woodpecker, 54; Blue Jay, 14; Am. Crow, 107; Black-capped Chickadee, 150; Brown-capped Chickadee, 1; Tufted Titmouse, 10; White-breasted Nuthatch, 10; Red-breasted Nuthatch, 1; Brown Creeper, 6; Am. Robin, 2; Golden-crowned Kinglet, 30; Common Starling, 752; House Sparrow, 395; Cardinal, 51; Purple Finch, 4; Am. Goldfinch, 9; Slate-colored Junco, 77; Am. Tree Sparrow, 19; Song Sparrow, 4; Snow Bunting, 5. **Total,** 43 species; about 60,929 individuals.—O. Annan, B. Baasel, L. Binford, Mrs. Campbell, Mrs. Conkling, Margaret Feigley, H. Frauen, K. Gilchrist, J. F. Healy (compiler), Mr. and Mrs. Helmer, Mrs. Huxford, J. J. Januz, Jr., T. Kemper, H. Lenz, N. Lerch, G. Lukasic, Jr., R. Macomber, T. Magill, Mr. and Mrs. Mannette, T. Nork, Mrs. Rogers, R. L. Shotke, Harry Smith, Thor Stromsted, Br. I. Theodore, Mr. and Mrs. Wilm, Mrs. Zimmerman (Chicago Ornithological Society, Evanston Bird Club).

**267. Decatur, Ill.** (7½-mile radius centering at Millikin Univ. and including Lake Decatur, Sangamon River, Steven's Creek and Fairview Park; river and stream bottomlands 45%, open fields 15%, overgrown pastures 15%, weed areas 13%, dry deciduous woods 7%, lake shore 5%).—Dec. 29; 7 a.m. to 5 p.m. Clear in early a.m., becoming lightly overcast by noon; temp. 35° to 44°; wind SSW, 15-17 m.p.h.; 2-in. crusted snow; all fresh water frozen except Sangamon River. One observer. Total hours, 9½ (7½ on foot, 2 by car); total miles, 46 (12 on foot, 34 by car). Mallard, 3; Black Duck, 2; Red-tailed Hawk, 3; Red-shouldered Hawk, 2; Sparrow Hawk, 4; Bob-white, 33; Ring-billed Gull, 3; Barred Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 5; Red-bellied Woodpecker, 7; Hairy Woodpecker, 9; Downy Woodpecker, 23; Horned Lark, 2; Blue Jay, 29; Am. Crow, 106; Black-capped Chickadee, 24; Tufted Titmouse, 31; White-breasted Nuthatch, 1; Brown Creeper, 8; Winter Wren, 1; Carolina Wren, 6; Golden-crowned Kinglet, 3; Common Starling, 122; House Sparrow, 125; Cardinal, 69; Purple Finch, 9; Am. Goldfinch, 13; Slate-colored Junco, 24; Am. Tree Sparrow, 13; Song Sparrow, 27. **Total,** 31 species; 710 individuals. (Seen in area Dec. 23 and 26: Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 1.)—Dean Fisher.

**268. East St. Louis, Ill.** (same area as last year but more extensively covered; lakes 25%, open fields 10%, marshes 35%, deciduous woods 15%, willows and shrubs 15%).—Dec. 23; 9:30 a.m. to 5:30 p.m. Clear in a.m., cloudy in p.m.; temp. 38° to 26°; wind SW to E, 8-15 m.p.h.; ground covered with ½-in. ice, lakes frozen. Ten observers in 3 parties. Total party-hours, 20 (15 on foot, 5 by car); total party-miles, 59 (10 on foot, 49 by car). Am. Merganser, 13; Sharp-shinned Hawk, 1; Cooper's Hawk,

3; Red-tailed Hawk, 3; Harlan's Hawk, 1 (E.W., V.H., H.E., J.S.); Red-shouldered Hawk, 2; Rough-legged Hawk, 3; Bald Eagle, 3; Marsh Hawk, 7; Sparrow Hawk, 5; Bob-white, 25; Herring Gull, 2; Ring-billed Gull, 11; Mourning Dove, 4; Barn Owl, 1 (E.W.); Horned Owl, 1 (H.E., E.W.); Belted Kingfisher, 1; Yellow-shafted Flicker, 10; Pileated Woodpecker, 1; Red-bellied Woodpecker, 5; Red-headed Woodpecker, 3; Hairy Woodpecker, 9; Downy Woodpecker, 15; Horned Lark, 21; Blue Jay, 11; Am. Crow, 390; Black-capped Chickadee, 23; Tufted Titmouse, 5; Brown Creeper, 5; Winter Wren, 3; Carolina Wren, 8; Long-billed Marsh Wren, 2; Short-billed Marsh Wren, 1 (G.C.); Mockingbird, 3; Brown Thrasher, 2 (E.W., *et al.*); Am. Robin, 5; Common Starling, 500 (est.); Myrtle Warbler, 1 (R.A.); House Sparrow, 173; European Tree Sparrow, 36; Red-winged Blackbird, 401; Purple Grackle, 3; Brown-headed Cowbird, 2; Cardinal, 153; Am. Goldfinch, 31; Eastern Towhee, 2; Slate-colored Junco, 91; Am. Tree Sparrow, 230; Harris's Sparrow, 2 (E.W.); White-crowned Sparrow, 8; White-throated Sparrow, 21; Fox Sparrow, 11; Swamp Sparrow, 3; Song Sparrow, 57; Lapland Longspur, 5. **Total,** 55 species; about 2336 individuals.—Richard Anderson, Donald Braun, George Cameron, Helena Enzenauer, Violla Holliday, Irmgard Mahling, Richard Pfeiffer, James Scott, Marion Wilhelm, Eugene Wilhelm (compiler, Field Nature League of St. Louis). [Peggy Neel, Julian Neill, and John Peter of the St. Louis Audubon Society made a separate count in essentially the same area on Dec. 30, and recorded the following additional species: Cedar Waxwing, 50; Purple Finch, 1. **Total,** 19 species; 282 individuals.—Ed.].

**269. Elsah, Ill.** (same as last year).—Dec. 28; 6:45 a.m. to 4:30 p.m. Partly cloudy; temp. 24° to 38°; wind SW to S, 2-20 m.p.h.; ground covered with 1-2-in. crusted snow. Ten observers in 3 parties. Total party-hours, 10 (8 on foot, 2 by car); total party-miles, 30 (8 on foot, 22 by car). Canada Goose, 9; Lesser Scaup, 3; Am. Golden-eye, 58; Red-tailed Hawk, 5; Bald Eagle, 12; Marsh Hawk, 9; Sparrow Hawk, 4; Bob-white, 23; Herring Gull, 170; Ring-billed Gull, 86; Mourning Dove, 2; Horned Owl, 2; Barred Owl, 2; Belted Kingfisher, 2; Yellow-shafted Flicker, 3; Red-bellied Woodpecker, 14; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 17; Horned Lark, 10; Blue Jay, 26; Am. Crow, 94; Black-capped Chickadee, 25; Carolina Chickadee, 1; Tufted Titmouse, 43; White-breasted Nuthatch, 5; Red-breasted Nuthatch, 3; Winter Wren, 2; Carolina Wren, 7; Am. Robin, 4; Hermit Thrush, 1; Eastern Bluebird, 17; Cedar Waxwing, 5; Common Starling, 21; House Sparrow, 74; Red-winged Blackbird, 5; Brown-headed Cowbird, 3; Cardinal, 63; Am. Goldfinch, 43; Vesper Sparrow, 3; Slate-colored Junco, 212; Am. Tree Sparrow, 126; Song Sparrow, 2. **Total,** 44 species; 1219 individuals.—E. Goodhue, G. M., H. G. M., and G. B. Happ (compiler), B. Merrill, P. Merrill, A. G. Morgan, J. Richards, J. F. Wanamaker, R. Wason.

**270. Joliet, Ill.** (7-mile radius from 4 miles east of city to 10 miles southwest, including Pilcher Park and Des Plaines and Dupage Rivers; deciduous woods 30%, bottomlands, backwaters and wooded slopes 30%, cultivated fields 20%, country roadsides 20%).—Dec. 30; 7:15 a.m. to 4:30 p.m. Overcast, considerable haze; temp. 32° to 45°; wind 7-10 m.p.h.; ground covered 12-in. slushy melting snow. Six observers in 3 parties. Total party-hours, 30 (14 on foot, 16 by car); total party-miles, 208 (46 on foot, 162 by car). Great Blue Heron, 1; Canada Goose, 6; Mallard, 33; Black Duck, 7; Pintail, 30; Redhead, 3; Ring-necked Duck, 2; Lesser Scaup, 12; Am. Golden-eye, 450; Am. Merganser, 14; Red-shouldered Hawk, 1; Rough-legged Hawk, 1; Sparrow Hawk, 1; Ring-necked Pheasant, 6; Herring Gull, 23; Ring-billed Gull, 17; Belted Kingfisher, 1; Yellow-shafted Flicker, 2; Yellow-bellied Sapsucker, 1; Downy Woodpecker, 4; Horned Lark, 9; Blue Jay, 7; Am. Crow, 250; Black-capped Chickadee, 12; Tufted Titmouse, 4; White-breasted Nuthatch, 2; Brown Creeper, 5; Common Starling, 500; House Sparrow, 90; Cardinal, 8; Evening Grosbeak, 9; Slate-colored Junco, 19; Am. Tree Sparrow, 3; Song Sparrow, 7. **Total,** 34 species; 1540 individuals. (Seen in vicinity Dec. 29: Red-bellied Woodpecker, 1.)—W. L. Engelhardt, G. N. Hufford, Mrs. G. N. Hufford, Wm. L. Hughes (compiler), C. D. Stallman, G. H. Woodruff (Joliet Audubon Club).

**271. Michael, Ill.** (same area as last year).—Dec. 30; 8 a.m. to 4 p.m. Very foggy; temp. 40° to 45°; wind ENE, 0-2 m.p.h.; ground covered with ½-3-in. snow. Ten observers in 2 parties. Total party-hours, 11 (4 on foot, 7 by car); total party-miles, 40 (5 on foot, 35 by car). Great Blue Heron, 1; Mallard, 17; Am. Golden-eye, 51; Am. Merganser, 10; Cooper's Hawk, 1; Red-tailed Hawk, 6 (including 1 Krider's); Marsh Hawk, 1; Sparrow Hawk, 3; Wilson's Snipe, 1 (seen at springs); Herring Gull, 3; Ring-billed Gull, 10; Mourning Dove, 34; Belted Kingfisher, 1; Yellow-shafted Flicker, 29; Pileated Woodpecker, 1; Red-bellied Woodpecker, 17; Red-headed Woodpecker, 43; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 4; Downy Woodpecker, 11; Blue Jay, 13; Am. Crow, 7; Black-capped Chickadee, 8; Tufted Titmouse, 10; White-breasted Nuthatch, 1; Brown Creeper, 2; Carolina Wren, 9; Mockingbird, 2; Am. Robin, 5; Eastern Bluebird, 21; Golden-crowned Kinglet, 2; Cedar Waxwing, 9; Loggerhead Shrike, 1; Common Starling, 158; House Sparrow, 179; European Tree Sparrow, 26; Eastern Meadowlark, 17; Cardinal, 39; Purple Finch, 7; Am. Goldfinch, 11; Slate-colored Junco, 97; Am. Tree Sparrow, 172; Field Sparrow, 8; White-crowned Sparrow, 11; White-throated Sparrow, 3; Song Sparrow, 7. **Total,** 46 species (1 additional subspecies); about 1070 individuals.—Bill Bremser, John Chomeau, Helena Enzenauer, Violla Holliday, Father Link, Irmgard Mahling, Jack Peters, Eugene Wilhelm, Jr. (compiler), Marion Wilhelm, John Z.

**272. Moline, Ill.** (Lock No. 14 on Mississippi River at Hampton, Ill., woods and fields bordering Moline and Rock Island, Ill., to Sears Dam at Rock Island; open farmland 60%, river shore 15%, deciduous woodland 25%).—Dec. 24; 8 a.m. to 3:30 p.m. Clear; temp. 12° to 18°; wind N to NW, 12 m.p.h.; 12-in. snow on ground; rivers frozen except close to dams. One observer. Total hours, 7½ (2½ on foot, 5 by car); total miles 60 (5 on foot, 55 by car). Lesser Scaup, 12; Am. Golden-eye, 300 (est.); Sharp-shinned Hawk, 1; Red-tailed Hawk, 1; Red-shouldered Hawk, 1; Rough-legged Hawk, 2; Bald Eagle, 9; Marsh Hawk, 1; Screech Owl, 1; Yellow-shafted Flicker, 1; Red-bellied Woodpecker, 1; Hairy Woodpecker, 8; Downy Woodpecker, 6; Horned Lark, 18; Blue Jay, 2; Am. Crow, 22; Black-capped Chickadee, 28; Tufted Titmouse, 23; White-breasted Nuthatch, 5; Brown Creeper, 2; Cedar Waxwing, 6; Common Starling, 300 (est.); House Sparrow, 300 (est.); Red-winged Blackbird, 21; Purple Grackle, 1; Cardinal, 26; Slate-colored Junco, 150 (est.); Am. Tree Sparrow, 100 (est.); Song Sparrow, 7. **Total,** 29 species; about 1355 individuals. (Seen in area Dec. 27: Krider's Red-tailed Hawk, observed for some time in good sunlight and at close range; Mourning Dove, 1; Ring-necked Pheasant. A wounded Snowy Owl captured 8 miles from Moline.)—Elton Fawks (Tri-City Bird Club).

**273. Murphysboro, Ill.** (15-mile diameter, with Murphysboro as center; Carbondale Reservoir, Lake Murphysboro, Murphysboro and surrounding territory, Hickory Ridge area; deciduous woods and thickets 45%, water 30%, fields 20%, miscellaneous 5%).—Dec. 24; 6:45 a.m. to 5 p.m. Overcast; temp. 19° to 33°; wind N to SE, 0-5 m.p.h.; ground bare except in protected hollows where ice remained; running water mostly open but lakes and ponds, except Lake Murphysboro, frozen. Four observers in 3 parties. Total party-hours, 24 (18 on foot, 6 by car); total party-miles, 89 (23 on foot, 66 by car). Mallard, 33; Lesser Scaup, 1; Am. Golden-eye, 2; Red-tailed Hawk, 4; Red-shouldered Hawk, 8; Marsh Hawk, 2; Sparrow Hawk, 9; Bob-white, 14; Wilson's Snipe, 3; Herring Gull, 60; Ring-billed Gull, 371; Mourning Dove, 2; Horned Owl, 1; Barred Owl, 7; Belted Kingfisher, 1; Yellow-shafted Flicker, 47; Pileated Woodpecker, 5; Red-bellied Woodpecker, 23; Red-headed Woodpecker, 16; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 6; Downy Woodpecker, 39; Horned Lark, 5; Blue Jay, 72; Am. Crow, 62; Black-capped Chickadee, 7; Carolina Chickadee, 135; Tufted Titmouse, 57; White-breasted Nuthatch, 8; Brown Creeper, 18; Bewick's Wren, 2; Carolina Wren, 30; Mockingbird, 1; Catbird, 1 (plainly seen by W.H.); Am. Robin, 1; Eastern Bluebird, 4; Golden-crowned Kinglet, 27; Cedar Waxwing, 28; Common Starling, 550; House Sparrow, 40; Eastern Meadowlark, 17; Red-winged Blackbird, 1500 (est.); Rusty Blackbird, 75; Purple Grackle (Bronzed), 32; Brown-headed Cowbird, 12; Cardinal, 85; Purple Finch, 7; Pine Siskin, 1; Am. Goldfinch, 30; Slate-colored Junco, 117; Am. Tree Sparrow, 425; Field Sparrow, 18; White-crowned Sparrow, 6; White-throated Sparrow, 4; Swamp Sparrow, 11; Song Sparrow, 44; Lapland Longspur, 220 (remaining portion of a 1000-bird flock which first arrived on Dec. 22; birds seen in flight and on ground by all observers). **Total,** 57 species; about 4309 individuals. (Seen in area during count period: Canada Goose, Ring-necked Duck, Loggerhead Shrike, Winter Wren.)—Robert Ashman, Richard Brewer, Thomas Collins, William Hardy.

**274. Pere Marquette State Park, Grafton, Ill.** (same area as last year).—Dec. 29; 6:30 a.m. to 5:30 p.m. Clear in a.m., cloudy in p.m.; temp. 41° to 50°; wind SW, 5 m.p.h. Thirty-three observers in 5 parties. Total party-hours, 49 (26 on foot, 23 by car); total party-miles, 225 (33 on foot, 192 by car). Great Blue Heron, 3; Canada Goose, 249; Snow Goose, 210 (est.); Blue Goose, 33; Mallard, 145; Black Duck, 19; Pintail, 1; Canvas-back, 14; Lesser Scaup, 20; Am. Golden-eye, 261; Am. Merganser, 2063 (1200 est., 863); Cooper's Hawk, 3; Red-tailed Hawk, 30 (including 2 Krider's); Red-shouldered Hawk, 3; Rough-legged Hawk, 2; Bald Eagle, 43; Marsh Hawk, 12; Sparrow Hawk, 16; Bob-white, 15; Killdeer, 2; Great Black-backed Gull, 1 [no details—Ed.]; Herring Gull, 1233; Ring-billed Gull, 57; Mourning Dove, 49; Horned Owl, 1; Barred Owl, 6; Short-eared Owl, 2; Belted Kingfisher, 10; Yellow-shafted Flicker, 84; Pileated Woodpecker, 2; Red-bellied Woodpecker, 96; Red-headed Woodpecker, 353; Yellow-bellied Sapsucker, 4; Hairy Woodpecker, 18; Downy Woodpecker, 68; Horned Lark, 114 (including 1 Northern); Blue Jay, 327 (127, 200 est.); Am. Crow, 1359 (359, 1000 est.); Black-capped Chickadee, 131; Carolina Chickadee, 5; Tufted Titmouse, 128; White-breasted Nuthatch, 27; Brown Creeper, 8; Winter Wren, 3; Carolina Wren, 42; Mockingbird, 8; Am. Robin, 59; Eastern Bluebird, 58; Golden-crowned Kinglet, 6; Cedar Waxwing, 35; Loggerhead Shrike, 6; Common Starling, 660; House Sparrow, 1567; European Tree Sparrow, 16; Eastern Meadowlark, 24; Western Meadowlark, 25; Red-winged Blackbird, 125; Rusty Blackbird, 4; Purple Grackle, 141; Brown-headed Cowbird, 4; Cardinal, 323; Purple Finch, 6; Am. Goldfinch, 32; Slate-colored Junco, 517; Am. Tree Sparrow, 758; Field Sparrow, 25; White-crowned Sparrow, 7; White-throated Sparrow, 6; Fox Sparrow, 2; Swamp Sparrow, 2; Song Sparrow, 58. **Total,** 71 species (1 additional subspecies); 11,743 individuals.—Geo. M. Link, Mrs. Neil Waterbury, O. C. K. Hutchinson, Mrs. Corida Hanna, Jack Buese, Jack Decker, Patricia McCarthy, Charles Laun, James McBurney, Jacqueline Ball, Donald Ball, Mrs. Fred Weber, Allan Weber, Kenneth Weber, Joan Weber, Sally Springer, Eddie Ballard, J. W. Galbreath, Charles F. Scherrer, Dicter Rodrian, Richard Rodrian, Lucas Wrischnik, Dick Pfeiffer, Eugene Wilhelm, Jr., James A. Ziervogel, Paul E. Bauer, Donald L. Braun, George W. Cameron, Dick Anderson, John Chomeau, Jack Peters, Mrs. Arthur Schaefer, Mrs. O. C. K. Hutchinson.

**275. River Forest and Chicago Lake Front (Cook Co.), Ill.** (same area as last year but less

extensively covered; deciduous woodlands 50%, lake front 35%, open farmlands 10%, shrubby fields 5%). —Dec. 30; 7:15 a.m. to 4 p.m. Clear; temp. 38° to 41°; wind S, 3-5 m.p.h.; 19-in. soft snow; lake harbors frozen. One observer. Total hours, 8¾ (7 on foot, 1¾ by car); total miles, 14 (6 on foot, 8 by car). Am. Golden-eye, 11; Am. Merganser, 12; Red-breasted Merganser, 4; Sparrow Hawk, 2; Ring-necked Pheasant, 4; Herring Gull, 200 (est.); Ring-billed Gull, 100 (est.); Hairy Woodpecker, 3; Downy Woodpecker, 17; Am. Crow, 15; Black-capped Chickadee, 22; Tufted Titmouse, 3; White-breasted Nuthatch, 4; Red-breasted Nuthatch, 1; Brown Creeper, 16; Golden-crowned Kinglet, 2; Common Starling, 139; House Sparrow, 29; Cardinal, 17; Am. Goldfinch, 2; Slate-colored Junco, 9; Am. Tree Sparrow, 2; Song Sparrow, 2. **Total,** 23 species; about 616 individuals.—A. C. Montague.

**276. Rockford, Ill.** (same area as last year but not as extensively covered; open fields and farms 30%, creek and river borders 20%, deciduous woodlands 30%, coniferous plantings 5%, marshland and river-bottom sloughs 15%).—Dec. 23; 6:30 a.m. to 5 p.m. Light snow, clear after 9 a.m.; temp. 10° to 16°; wind NW, 10 m.p.h.; ground covered by over 1 ft. of snow; rivers and streams frozen except in swift areas, spring-fed streams open; sloughs frozen. Twenty-two observers; 17 in 6 parties and 5 at feeding stations. Total party-hours, 41 (28 by foot, 13 by car); total party-miles, 153½ (27½ by foot, 126 by car). Mallard, 6; Greater Scaup, 2; Am. Merganser, 7; Red-tailed Hawk, 5; Red-shouldered Hawk, 5; Rough-legged Hawk, 4; Marsh Hawk, 1; Sparrow Hawk, 2; Ring-necked Pheasant, 27; Killdeer, 2; Am. Woodcock, 1; Mourning Dove, 5; Screech Owl, 1; Horned Owl, 1; Short-eared Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 2; Red-bellied Woodpecker, 6; Hairy Woodpecker, 5; Downy Woodpecker, 22; Horned Lark, 134; Blue Jay, 44; Am. Crow, 83; Black-capped Chickadee, 86; Tufted Titmouse, 23; White-breasted Nuthatch, 14; Red-breasted Nuthatch, 3; Brown Creeper, 7; Gray Shrike, 1; Common Starling, 168; House Sparrow, 311; Western Meadowlark, 2; Red-winged Blackbird, 1; Rusty Blackbird, 8; Cardinal, 33; Am. Goldfinch, 66; Slate-colored Junco, 148; Am. Tree Sparrow, 26; Song Sparrow, 2. **Total,** 39 species; 1266 individuals. (Seen in area Dec. 24: Purple Grackle (Bronzed), 1; Dec. 30: Barred Owl, 1; Bob-white, 12.)—Bob Anderson, Kathryn Bennett, Donny Bennett, Harold E. Bennett, Milton Carter, Mr. and Mrs. Francis Colehour, Sherman Ehlert, Leland Ellis, Owen Flenner, Jack Foster, Mr. and Mrs. Winfield Foster, Lee G. Johnson, Ted Kjelstrom, Milton Mahlburg, Mr. and Mrs. William Monnier, Florence Schenck, David Seal, John Sheagren, Edith VanDuzer (North Central Illinois Ornithological Society).

**277. Southeastern Cook Co., Ill.** (same area as last 3 years; deciduous woods 60%, cattail marsh 3%, dump and slag fill 12%, lake shore and river 25%). —Dec. 27; 7:15 a.m. to 4:15 p.m. Clear; temp. −3° to 13°; wind W, 0-7 m.p.h.; ground covered with 17-27-in. snow; water frozen except parts of Calumet River and Lake Michigan. Four observers in 1 party. Total party-hours, 9 (7 on foot, 2 by car); total party-miles, 50 (7 on foot, 43 by car). Double-crested Cormorant, 1; Canvas-back, 1; Am. Golden-eye, 10; Am. Merganser, 70; Red-breasted Merganser, 2; Marsh Hawk, 1; Sparrow Hawk, 2; Bob-white, 8; Ring-necked Pheasant, 9; Herring Gull, 6473 (6400±400, 73); Ring-billed Gull, 1615 (1600±100, 15); Mourning Dove, 1; Yellow-shafted Flicker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 14; Blue Jay, 11; Am. Crow, 5; Black-capped Chickadee, 14; Tufted Titmouse, 2; White-breasted Nuthatch, 2; Am. Robin, 2; Golden-crowned Kinglet, 1; Common Starling, 224 (200±10, 24); House Sparrow, 45; Red-winged Blackbird, 22; Cardinal, 17; Evening Grosbeak, 2; Am. Goldfinch, 40; Slate-colored Junco, 33; Am. Tree Sparrow, 12; Swamp Sparrow, 1; Song Sparrow, 11. **Total,** 32 species; about 8654 individuals. (Seen in area Dec. 29: scaup (sp.), 4; Iceland Gull, 1 [Jackson Pk., Chicago; studied and compared with Herring Gulls by H.D. and M.D.; size, silvery wing-tips, bill noted]; Dec. 30: Ring-necked Duck, 1; Snow Bunting, 1.)—Hubert Davis, Marvin Davis (compiler), Marjory Phillips, Richard Phillips.

**278. Springfield, Ill.** (7½-mile radius from Springfield, including Lake Springfield and Sangamon River region).—Dec. 23; 8 a.m. to 4:30 p.m. Clear; temp. 26° to 21°; wind SW to NW, 10-15 m.p.h.; Lake Springfield frozen over; ground covered with 3-in. snow and glaze. Six observers in 3 parties. Total party-hours, 22 (10 on foot, 12 by car); total party-miles, 86 (10 on foot, 76 by car). Canada Goose, 15; Mallard, 25; Black Duck, 50; Am. Merganser, 8; Red-tailed Hawk, 1; Red-shouldered Hawk, 3; Sparrow Hawk, 2; Bob-white, 17; Herring Gull, 2; Ring-billed Gull, 32; Mourning Dove, 2; Belted Kingfisher, 1; Yellow-shafted Flicker, 19; Red-bellied Woodpecker, 16; Red-headed Woodpecker, 20; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 4; Downy Woodpecker, 33; Horned Lark, 73 (including 3 Northern); Blue Jay, 117; Am. Crow, 114; Black-capped Chickadee, 45; Tufted Titmouse, 39; White-breasted Nuthatch, 11; Red-breasted Nuthatch, 1; Brown Creeper, 8; Carolina Wren, 2; Eastern Bluebird, 2; Cedar Waxwing, 5; Common Starling, 338; House Sparrow, 577; Eastern Meadowlark, 5; Cardinal, 34; Purple Finch, 6; Am. Goldfinch, 4; Slate-colored Junco, 81; Am. Tree Sparrow, 9; Song Sparrow, 4. **Total,** 38 species (1 additional subspecies); 1726 individuals.—Dr. Richard Allyn, Frank Branthaver, Lena Hardbarger, Lois Hogan, Al Kaszynski (compiler), William O'Brien (Springfield Nature League).

**279. Urbana, Ill.** (same as 1950 but including garbage dump).—Dec. 22; 8 a.m. to 4:30 p.m. Sunny to overcast; temp. 4° to 23°; wind SE, light; ground covered 5-in. snow. Seven observers in 2 parties. Total party-hours, 12 (10½ on foot, 1½ by car); total party-miles, 64 (14 on foot, 50 by car). Cooper's Hawk, 1; Red-tailed Hawk, 3; Red-shouldered Hawk, 1; Rough-legged Hawk, 5; Marsh Hawk, 1;

Sparrow Hawk, 2; Bob-white, 8; Ring-necked Pheasant, 1; Mourning Dove, 9; Barred Owl, 2; Yellow-shafted Flicker, 10; Red-bellied Woodpecker, 12; Red-headed Woodpecker, 5; Hairy Woodpecker, 7; Downy Woodpecker, 38; Horned Lark, 15; Blue Jay, 23; Am. Crow, 600 (est.); Black-capped Chickadee, 23; Tufted Titmouse, 25; White-breasted Nuthatch, 6; Brown Creeper, 9; Carolina Wren, 2; Golden-crowned Kinglet, 4; Common Starling, 2000 (est.); House Sparrow, 900 (est.); Brown-headed Cowbird, 6; Cardinal, 36; Purple Finch, 4; Am. Goldfinch, 4; Slate-colored Junco, 25; Oregon Junco, 3 (observed at close range in good light—S.E.); Am. Tree Sparrow, 22; Song Sparrow, 10. **Total,** 34 species; about 3822 individuals.—David Crocker, Stephen Emerson, Carl Gieseking, S. C. Kendeigh, W. M. Luce, Jacqueline Luce, Frederick Sargent II.

**280. Vermilion County, Ill.** (same area as last year).—Dec. 30; 10 a.m. to 4:30 p.m. Dense fog, visibility 50 ft.; temp. 38°; calm; 4-6-in. snow; ice in lake and creeks. Six observers in 3 parties. Total party-hours, 14 (12 on foot, 2 by car); total party-miles, 28 (12 on foot, 16 by car). Red-tailed Hawk, 1; Sparrow Hawk, 1; Yellow-shafted Flicker, 1; Red-bellied Woodpecker, 2; Hairy Woodpecker, 7; Downy Woodpecker, 16; Blue Jay, 20; Am. Crow, 26; Black-capped Chickadee, 20; Tufted Titmouse, 12; Carolina Wren, 3; Common Starling, 66; House Sparrow, 134; Cardinal, 19; Slate-colored Junco, 33; Song Sparrow, 6. **Total,** 16 species; 367 individuals. —Dr. and Mrs. Glidden Baldwin, Mrs. William Fulton, Mrs. Russell Duffin, Clarence Baum, Mr. Dale Willard (Vermilion County Audubon Society).

**281. Appleton, Wis.** (7-mile radius centering in Appleton, east to Kaukauna, southwest to the lake front and Neenah; city park and streets 5%, riverbank 20%, cemetery 10%, fields 20%, lake front 40%, hardwoods 5%).—Dec. 29; 7:30 a.m. to 4:30 p.m. Snowing in a.m.; temp. 20° to 30°; wind W, 5 m.p.h.; ground covered with 12-in. snow. Ten observers in 1 party. Total party-hours, 9 (5 on foot, 4 by car); total party-miles, 57 (5 on foot, 52 by car). Mallard, 1; Black Duck, 130; Am. Golden-eye, 342; Am. Merganser, 33; Sparrow Hawk, 1; Ring-necked Pheasant, 17; Herring Gull, 9; Hairy Woodpecker, 1; Downy Woodpecker, 5; Blue Jay, 6; Am. Crow, 82; Black-capped Chickadee, 29; White-breasted Nuthatch, 7; Red-breasted Nuthatch, 1; Brown Creeper, 6; Common Starling, 48; House Sparrow, 319; Cardinal, 5; Slate-colored Junco, 7. **Total,** 19 species; 1049 individuals.—Harold Brown, Cora E. Harvey, Ann McEathron, Mrs. Carroll McEarthron, James McEathron, Mrs. H. L. Playman, Mrs. Walter E Rogers, Charles W. Scribner, James Strieby, Mrs. Dale Vawter.

**282. Green Bay, Wis.** (same area as last year) —Dec. 23; 8 a.m. to 3 p.m. Clear; temp. −2° to 15°; wind NW, 8-12 m.p.h.; ground covered with 8-in. snow. Eight observers in 3 parties. Total party-hours, 9½ (4 on foot, 5½ by car); total party-miles, 130 (3 on foot, 127 by car). Mallard, 8; Black Duck, 3; Canvas-back, 7; Greater Scaup, 6; Am. Golden-eye, 15; Am. Merganser, 25; European Partridge, 12; Ring-necked Pheasant, 2; Herring Gull, 20; Hairy Woodpecker, 2; Downy Woodpecker, 5; Horned Lark, 1; Blue Jay, 40; Am. Crow, 4; Black-capped Chickadee, 25; White-breasted Nuthatch, 20; Red-breasted Nuthatch, 1; Common Starling, 55; House Sparrow, 420; Cardinal, 2; Common Redpoll, 180; Pine Siskin, 50; Am. Goldfinch, 45; Slate-colored Junco, 15; Am. Tree Sparrow, 14; Lapland Longspur, 75. **Total,** 26 species; 1052 individuals.—Edwin D. Cleary (compiler), Reginald Corbielle, Myron Duquaine, Mrs. Myron Duquaine, Barbara Duquaine, Chester Krawtzyk, Edward Paulson, Paul Romig (Green Bay Bird Club).

**283. Lake Geneva, Wis.** (area same as in previous years).—Dec. 23; 7 a.m. to 4 p.m. Clear; temp 20° to 25°; wind W, 5-15 m.p.h.; 10-30-in. snow; west end of lake open. Two observers in 1 party. Total party-hours, 9 (8 on foot, 1 by car); total party-miles, 35 (9 on foot, 26 by car). Pied-billed Grebe, 2; Mallard, 10; Black Duck, 42; Canvas-back, 7; Lesser Scaup, 63; Am. Golden-eye, 146; Hooded Merganser, 26; Am. Merganser, 11; Ring-necked Pheasant, 2; Am. Coot, 15; Wilson's Snipe, 1; Herring Gull, 22; Downy Woodpecker, 3; Blue Jay, 7; Am. Crow, 11; Black-capped Chickadee, 40; White-breasted Nuthatch, 7; Am. Robin, 2; Common Starling, 6; House Sparrow, 9; Cardinal, 1; Purple Finch, 2; Am. Tree Sparrow, 9; Song Sparrow, 1; Lapland Longspur, 1. **Total,** 25 species; 446 individuals. (This is the smallest list we have ever recorded at Lake Geneva. The deep snow and early cold may have been responsible for fewer land birds, but the few water birds amazed us. We believe we noted a Virginia Rail in a spring-fed brook, but could not confirm identification, as the bird took refuge under an overhanging snow bank and could not again be flushed.)—Earl Anderson, C. O. Palmquist.

**284. Madison, Wis.** (same area as last year, with addition of area around Pine Bluff Road, and Verona).—Dec. 30; 7:30 a.m. to 5 p.m. Clear; temp. 30° to 36°; wind slight NNE, 5 m.p.h.; ground covered with 12-14-in. snow. Twenty-eight observers in 9 parties. Total party-hours, 50 (15 on foot, 35 by car); total party-miles, 262 (22 on foot, 240 by car). Mallard, 167; Black Duck, 171; Gadwall, 8; Pintail, 6; Canvas-back, 1; Lesser Scaup, 1; Am. Golden-eye, 5; Cooper's Hawk, 1; Red-tailed Hawk, 9; Rough-legged Hawk, 1; Sparrow Hawk, 2; European Partridge, 10; Bob-white, 10; Ring-necked Pheasant, 128; Am. Coot, 107; Wilson's Snipe, 2; Mourning Dove, 1; Screech Owl, 1; Horned Owl, 2; Barred Owl, 2; Short-eared Owl, 1; Red-bellied Woodpecker, 5; Red-headed Woodpecker, 4; Hairy Woodpecker, 6; Downy Woodpecker, 37; Horned Lark, 17 (4 Northern); Blue Jay, 125; Am. Crow, 825; Black-capped Chickadee, 87; White-breasted Nuthatch, 45; Red-breasted Nuthatch, 14; Brown Creeper, 13; Golden-crowned Kinglet, 8; Gray Shrike, 1; Common Starling, 701; House Sparrow, 1890; Western Meadowlark, 18; Red-winged Blackbird,

87; Rusty Blackbird, 1; Brown-headed Cowbird, 16; Cardinal, 52; Purple Finch, 3; Am. Goldfinch, 64; Eastern Towhee, 1 (banded Dec. 9, present daily since that time—J.J.H.); Slate-colored Junco, 331; Am. Tree Sparrow, 217; Song Sparrow, 1; Lapland Longspur, 75; Snow Bunting, 25. **Total,** 49 species (1 additional subspecies); about 5305 individuals. (Seen Jan. 1: Pine Grosbeak, 5; prior to and after Dec. 30: Yellow-shafted Flicker, 3.)—Mrs. Florence Anderson, N. R. Barger, Ruby Bere, Mrs. Catherine Crocker, Alice Fosse, Ellesworth Helgeson, Dr. and Mrs. J. J. Hickey, Phillip Hotlen, Mr. and Mrs. W. S. Johnson, Mr. and Mrs. Vincent Jones, Alan Keitt, Harry Mitchell, Andrew Ragatz, Eugene, Nancy and William Roark, A. W. Shorger, Palmer D. Skaar, Mrs. R. A. Walker (compiler), John Wilde, Robert J. Williams, Mr. and Mrs. H. M. Williams, Dick and Tom Wills (Madison Audubon Society).

**285. Milton (Rock Co.), Wis.** (Milton southeast to Turtle Creek, northwest to Maxsons' Woods, northeast to Lake Koshkenong, returning via Otter Creek; feeding station 1%, creek bottoms 5%, deciduous woods 20%, farmlands 50%, hedges 10%). —Dec. 30; 8 a.m. to 4 p.m. Clear; temp. 25° to 40°; wind SW, 5-10 m.p.h.; ground covered with 12-in. snow. Two observers in 1 party. Total party-hours, 8 (1 on foot, 7 by car); total party-miles, 49 (4 on foot, 45 by car). Canada Goose, 5000 (est.); Brant, 25 [no details—Ed.]; Mallard, 32; Black Duck, 27; Cooper's Hawk, 1; Red-tailed Hawk, 3; Red-shouldered Hawk, 2; Rough-legged Hawk, 4; Sparrow Hawk, 1; Bob-white, 5; Ring-necked Pheasant, 2; Herring Gull, 1; Mourning Dove, 3; Screech Owl, 1; Red-bellied Woodpecker, 4; Hairy Woodpecker, 2; Downy Woodpecker, 18; Blue Jay, 23; Am. Crow, 67; Black-capped Chickadee, 21; White-breasted Nuthatch, 9; Red-breasted Nuthatch, 2; Brown Creeper, 2; Golden-crowned Kinglet, 1; Common Starling, 56; House Sparrow, 366; Eastern Meadowlark, 2; Rusty Blackbird, 1; Cardinal, 17; Am. Goldfinch, 5; Slate-colored Junco, 53; Am. Tree Sparrow, 105; White-throated Sparrow, 2; Song Sparrow, 1. **Total,** 34 species; about 5864 individuals. (Seen in area Dec. 29: Pine Grosbeak, 1; Purple Grackle (Bronzed), 1.)—Margaret Hornberger, Melva T. Maxson (compiler).

**286. Milwaukee, Wis.** (same area as in previous counts).—Dec. 30; 6 a.m. to 5 p.m. Partly cloudy; temp. 31° to 37°; wind SW, 2-5 m.p.h.; ground covered with 12-15-in. crusted snow; Lake Michigan partly frozen. Thirty-one observers in 7 parties. Total party-hours, 62 (35 on foot, 27 by car); total party-miles, 316 (38 on foot, 278 by car). Western Grebe, 1 [no details—Ed.]; Mallard, 790; Black Duck, 116; Am. Widgeon, 2; Pintail, 5; Shoveller, 8; Wood Duck, 1; Canvas-back, 2; Greater Scaup, 1312 (est.); Lesser Scaup, 2; Am. Golden-eye, 1331 (est.); Bufflehead, 60; Old-squaw, 4003 (est.); Ruddy Duck, 12; Hooded Merganser, 1; Am. Merganser, 2229 (est.); Red-breasted Merganser, 153; Cooper's Hawk, 2; Red-tailed Hawk, 6; Red-shouldered Hawk, 5; Rough-legged Hawk, 3; Sparrow Hawk, 9; Ruffed Grouse, 4; European Partridge, 47; Bob-white, 3; Ring-necked Pheasant, 762; Herring Gull, 1123 (est.); Ring-billed Gull, 265; Screech Owl, 3; Horned Owl, 2; Long-eared Owl, 2; Belted Kingfisher, 1; Red-bellied Woodpecker, 2; Hairy Woodpecker, 15; Downy Woodpecker, 58; Horned Lark, 14; Blue Jay, 51; Am. Crow, 333; Black-capped Chickadee, 272; White-breasted Nuthatch, 33; Red-breasted Nuthatch, 11; Brown Creeper, 5; Brown Thrasher, 1; Am. Robin, 7; Golden-crowned Kinglet, 3; Cedar Waxwing, 13; Gray Shrike, 2; Common Starling, 2926 (est.); House Sparrow, 2100 (est.); Red-winged Blackbird, 1; Purple Grackle (Bronzed), 1; Cardinal, 43; Evening Grosbeak, 4; Purple Finch, 12; Pine Grosbeak, 29; Am. Goldfinch, 66; Slate-colored Junco, 218; Oregon Junco, 1 [no details—Ed.]; Am. Tree Sparrow, 51; Song Sparrow, 2; Snow Bunting, 1. **Total,** 61 species; about 18,540 individuals.—Ivy Balsom, D. Berger, S. Craney, M. Decker, M. Donald (compiler), G. Frentzel, R. and J. Frey, D. and C. Frister, E. Gimmler, A. Hehn, J. Hoogerheide, R. Jankowski, A. and B. Kaiman, K. Kuehn, A. Krueger, H. Mueller, L. Meyers, H. Meinel, M. Le Tellier, K. Preibe, D. Larkin, G. Orians, J. and N. O'Hearn, J. and M. Paulsen, Mrs. Treichel, E. Urban (John Muir Bird Club, The City Club Bird Group).

**287. Monroe, Wis.** (New Glarus woods, wooded bottomland along Sugar River, feeding stations in Monroe and Monticello, fields and woods north and east of Monroe; fields 50%, woods 20%, feeding stations 15%, river bottoms 15%, springs 5%).—Dec. 29; 8 a.m. to 4:30 p.m. Clearing in early a.m.; temp. 28° to 35°; wind SW, 25 m.p.h., in a.m., decreasing to 10 m.p.h. in p.m.; 15-in. fresh snow, a few streams open. Thirteen observers in 2 parties and at 4 feeders. Total party-hours, 10 (3 on foot, 5 by car, 2 at feeders); total party-miles, 91 (4 on foot, 87 by car). Black Duck, 2; Pintail, 26; Red-tailed Hawk, 11; Rough-legged Hawk, 8; Sparrow Hawk, 1; Bob-white, 10; Ring-necked Pheasant, 204; Wilson's Snipe, 3; Mourning Dove, 1; Horned Owl, 1; Hairy Woodpecker, 7; Downy Woodpecker, 12; Horned Lark, 32; Blue Jay, 60; Am. Crow, 47; Black-capped Chickadee, 35; Tufted Titmouse, 1; White-breasted Nuthatch, 18; Red-breasted Nuthatch, 4; Brown Creeper, 1; Common Starling, 197; House Sparrow, 5500; Western Meadowlark, 1; Rusty Blackbird, 1; Cardinal, 16; Pine Grosbeak, 9; Am. Goldfinch, 38; Slate-colored Junco, 62; Am. Tree Sparrow, 110; Song Sparrow, 3; Lapland Longspur, 46; Snow Bunting, 1. **Total,** 32 species; about 6468 individuals. (Seen during week: Barred Owl, Red-winged Blackbird, Pine Siskin, Redpoll, and Swamp Sparrow.)—Mrs. Wendel Barlow, Charlotte Churchill, E. O. Evans, Arthur Frautschy, Gordon Orians (compiler), Rev. H. L. Orians, Helen Smith, Mr. and Mrs. Henry Smith, Mr. and Mrs. M. H. Stauffacher, Lowell Stuessy, Mrs. Marcus Weston.

**288. Seneca, Wis.** (same as last year).—Dec. 29; 8 a.m. to 4:30 p.m. temp. 24° to 36°; wind S to SW, 0-5 m.p.h.; 7-in. snow; river and streams partly frozen. One observer. Total hours, 8 (7 on foot, 1

by car); total miles, 42 (8 on foot, 34 by car). Bald Eagle, 2; Wilson's Snipe, 3; Herring Gull, 2; Red-bellied Woodpecker, 3; Red-headed Woodpecker, 3; Hairy Woodpecker, 1; Downy Woodpecker, 1; Blue Jay, 6; Am. Crow, 2; Black-capped Chickadee, 10; Tufted Titmouse, 1; White-breasted Nuthatch, 3; Common Starling, 57; House Sparrow, 59; Cardinal, 4; Am. Goldfinch, 19; Slate-colored Junco, 39; Am. Tree Sparrow, 24. **Total,** 18 species; 239 individuals. —Clarence Paulson.

**289. Waukesha, Wis.** (15-mile diameter; same as 1949 and subsequent years; 3 wooded areas in city, southwest to Kettle Moraine State Forest, along Fox River valley to Mukwonago Marsh, to Saylesville, south to Mukwonago and Big Bend; open farmlands 40%, deciduous farm woodlots 40%, tamarack swamp 4%, grassy marsh 11%, town suburbs 5%).—Dec. 23; 7 a.m. to 5 p.m. Clear; temp. 14° to 6°; wind NW, 10-20 m.p.h.; ground covered 15-in. snow; springs open but river mostly frozen. Nineteen observers in 6 parties (2 at feeding stations). Total party-hours, 48 (25¾ on foot, 22¼ by car); total party-miles, 301 (23 on foot, 278 by car). Mallard, 3; Black Duck, 3; Am. Golden-eye, 6; Am. Merganser, 3; Sharp-shinned Hawk, 1; Red-tailed Hawk, 10; Rough-legged Hawk, 6; Sparrow Hawk, 1; European Partridge, 80; Ring-necked Pheasant, 11; Wilson's Snipe, 1; Herring Gull, 6; Mourning Dove, 6; Horned Owl, 1; Yellow-shafted Flicker, 1; Hairy Woodpecker, 4; Downy Woodpecker, 33; Horned Lark, 42 (33 Prairie, 9 Northern); Blue Jay, 37; Am. Crow, 2090; Black-capped Chickadee, 82; White-breasted Nuthatch, 32; Brown Creeper, 2; Common Starling, 146; House Sparrow, 718; Eastern Meadowlark, 1; Red-winged Blackbird, 1; Cardinal, 7; Am. Goldfinch, 7; Slate-colored Junco, 138; Am. Tree Sparrow, 439; White-throated Sparrow, 1; Song Sparrow, 1; Snow Bunting, 1. **Total,** 34 species (1 additional subspecies); 3921 individuals.—Robert Adams, Clarence Anthes, Vincent Batha, L. E. Compton, Olive Compton, Rahn Cuthbert, Emma Hoffman, Paul B. Hoffman, S. Paul Jones, John Larsen, Charles E. Nelson, Mary Nelson, Karl Oliver, Charles Sontag, Tom Soulen, Mary Sydow, Ernest Zimmerman, Larry Zimmerman, Robert Zimmerman (Benjamin F. Goss Bird Club).

**290. Cedar Creek Forest (Anoka Co.), Minn.** (about 4 square miles of Cedar Creek Game Refuge Area and land adjacent to road leading to area for a distance of about 11 miles; open farmland 14%, white pine and hardwood 45%, white cedar, tamarack, and alder 40%, cattail marsh 1%).—Dec. 30; 8:45 a.m. to 4 p.m. Overcast to partly clear; temp. 8° to 31°; wind E, 10-18 m.p.h.; 7-12-in. snow, lake frozen but surface soft, streams largely open, hoarfrost on trees, bushes. Sixteen observers in 5 parties. Total party-hours, 26 (20 on foot, 6 by car); total party-miles, 132 (22 on foot, 110 by car). Ruffed Grouse, 10; Barred Owl, 1; Pileated Woodpecker, 2; Downy Woodpecker, 2; Blue Jay, 23; Black-capped Chickadee, 81; White-breasted Nuthatch, 10; Common Starling, 3; House Sparrow, 23; Cardinal, 1; Common Redpoll, 88; Pine Siskin, 140; Am. Goldfinch, 109; Slate-colored Junco, 3; Am. Tree Sparrow, 17. **Total,** 15 species; 513 individuals. —Tom Breckenridge, W. J. Breckenridge, Margaret Burr, Mrs. A. B. Corniea, Sally Davidson, Mrs. Wm. F. Davidson, Bert Haines, Charles Kinsey, Mrs. H. D. Klein, Mrs. Mary Lupient, Sam McIver, Theodora Melone, Paul C. Murphy, Robert Nordgren, Dana Struthers, Edward P. Thatcher (Minnesota Bird Club).

**291. Duluth, Minn.** (Fond du Lac to Encampment Forest along St. Louis River and Lake Superior including Minnesota Point; town suburbs 20%, deciduous city parks and highways 70%, sand dunes 10%).—Dec. 30; 8 a.m. to 4 p.m. Partly cloudy; temp. 10° to 20°; wind E, 5-15 m.p.h.; ground covered with 6-in. soft snow, all fresh water frozen except Lake Superior. Twelve observers in 9 parties. Total party-hours, 30 (21 on foot, 9 by car); total party-miles, 192 (32 on foot, 160 by car). Am. Golden-eye, 50; Buffle-head, 2; Red-tailed Hawk, 1; Ruffed Grouse, 4; Ring-necked Pheasant, 1; Glaucous Gull, 4; Herring Gull, 294; Horned Owl, 1; Pileated Woodpecker, 1; Hairy Woodpecker, 4; Downy Woodpecker, 18; Gray Jay, 4; Blue Jay, 8; Black-capped Chickadee, 72; Red-breasted Nuthatch, 22; Brown Creeper, 1; Bohemian Waxwing, 36; Common Starling, 283; House Sparrow, 385; Evening Grosbeak, 102; Pine Grosbeak, 54; Common Redpoll, 12; Pine Siskin, 1; Slate-colored Junco, 1; Snow Bunting, 196. **Total,** 25 species; 1557 individuals.—Hulda Adams, J. K. Bronoel, Margaret Brown, Miriam L. Carlstedt, Flora Evans, James Felton, O. A. Finseth, Henry Gilbert, Stanley Hammer, M. M. Keith, Olga Lakela, P. B. Hofslund.

**292. Excelsior, Minn.** (area about 9 miles by 3½ miles, including portions of the following: Crescent Beach at Lake Minnetonka, and Christmas Lake, in Hennepin Co.; Murray Hill, Lake Lucy, Lake Ann, and Long Lake, all in Carver Co.; and Shakopee in Scott Co.; deciduous woodlands 25%, lake shores and beaches including residential and non-residential areas 23%, cattail margins 20%, alder-willow swamp 15%, barn lots 5%, fields 9%, town 1%, open water 2%). —Dec. 30; 9:30 a.m. to 12:30 p.m. and 1:30 to 4:50 p.m. Mostly cloudy; temp. 10° to 29°; wind S to SE, about 3 m.p.h., subsiding later; 6-10-in. snow on ground; heavy hoar-frost till noon. Eight observers in 2 and 3 parties. Total party-hours, 13 (10 on foot, 3 by car); total party-miles, 40 (12 on foot, 28 by car). Ring-necked Pheasant, 24; Yellow-shafted Flicker, 2; Pileated Woodpecker, 1; Red-bellied Woodpecker, 3; Hairy Woodpecker, 8; Downy Woodpecker, 13; Blue Jay, 15; Am. Crow, 1; Black-capped Chickadee, 30; White-breasted Nuthatch, 17; Brown Creeper, 5; Common Starling, 28; House Sparrow, 400; Red-winged Blackbird, 17; Cardinal, 4; Am. Goldfinch, 6; Slate-colored Junco, 8; Am. Tree Sparrow, 6; Fox Sparrow, 1 (Mrs. Herz). **Total,** 19 species; 589 individuals.—A. D. Du Bois, Charlotte A. Du Bois (compiler), Mr. and Mrs. M. E. Herz, Mike Herz, Mrs. Joseph Troendle, G. E. Mann, Lois A. Mann.

**293. Minneapolis, Minn.** (from Camden Park, to Anoka, a 7½-mile radius on both sides of the Mississippi River; open farmland 60%, town suburbs 20%, deciduous farm woodlots 15%, deciduous river banks and valleys 2%, marshes and sloughs 2%, sand dunes 1%).—Dec. 30; 8 a.m. to 4:30 p.m. Overcast in a.m., clear in p.m.; temp. 10° to 29°; wind ESE, 5-10 m.p.h.; ground covered with 9 in. soft snow; practically all creeks in area had some open water. Mississippi River open below Coon Creek Dam. Twenty-six observers in 6 parties. Total party-hours, 51 (12 on foot, 39 by car); total party-miles, 200 (25 on foot, 175 by car). Mallard, 3; Am. Golden-eye, 43; Am. Merganser, 10; Ring-necked Pheasant, 143; Mourning Dove, 1; Belted Kingfisher, 1; Red-bellied Woodpecker, 1; Hairy Woodpecker, 3; Downy Woodpecker, 21; Blue Jay, 88; Am. Crow, 16; Black-capped Chickadee, 62; White-breasted Nuthatch, 53; Red-breasted Nuthatch, 1; Brown Creeper, 3; Common Starling, 49; House Sparrow, 917; Purple Grackle (Bronzed), 1; Cardinal, 5; Evening Grosbeak, 4; Common Redpoll, 18; Am. Goldfinch, 100; Slate-colored Junco, 29; Am. Tree Sparrow, 76; Lapland Longspur, 5; Snow Bunting, 1. **Total,** 26 species; 1654 individuals.—Lewis Barrett, Julian Berman, Laura Brenner, Amy Chambers, Angus Clark, Mr. and Mrs. Whitney Eastman, Gary Filerman, John Futcher, Joyce Gellhorn, Burton Guttman, Henry Jerabek, Elizabeth Jerabek, Norris Jones, Mr. and Mrs. Boyd Lien, Phyllis McRae, John Pavek, Wm. Pieper, Dr. and Mrs. Phelps, Geo. Rickert, Mr. and Mrs. Rustand, Dorothy Smith, Vera Sparkes (Minneapolis Bird Club).

**294. Nisswa, Minn.** (2-mile radius, around Upper Cullen Lake; coniferous woods 60%, mixed coniferous and deciduous woods 20%, frozen marsh and lake shore 20%).—Dec. 23; 7:30 a.m. to 4 p.m. Clear; temp. −23° to −5°; wind NNW, 0-5 m.p.h.; ground covered with 4-8-in. soft snow. One observer. Total party-hours, 8½ (on foot); total party-miles, 8 (on foot). Goshawk, 1; Bald Eagle, 1; Ruffed Grouse, 8; Hairy Woodpecker, 2; Downy Woodpecker, 5; Arctic Woodpecker, 1; Blue Jay, 12; Black-capped Chickadee, 57; White-breasted Nuthatch, 8; Red-breasted Nuthatch, 3; Brown Creeper, 5; Golden-crowned Kinglet, 12; Pine Grosbeak, 4; Common Redpoll, 59; Slate-colored Junco, 2; Snow Bunting, 4: **Total,** 16 species; 184 individuals. (Seen in area Dec. 25: Evening Grosbeak, 15; Pileated Woodpecker, 1; Dec. 30: Barred Owl, 1.)—Marvin L. Wass.

**295. Northfield, Minn.** (area roughly 7 miles by 5 miles, including St. Olaf College campus, Carleton College arboretum, areas east along Highway 19, south along Highway 65; open farmland 70%, creek valleys 4%, deciduous woods 20%, mixed coniferous and deciduous woods 1%, frozen marshland 5%).—Dec. 29; 8:20 a.m. to 2:20 p.m. Partly cloudy; temp. 25° to 32°; wind WSW; 10-12-in. snow; very little open water in river. Two observers in 1 party. Total party-hours, 6 (3 on foot, 3 by car); total party-miles, 26 (2 on foot, 24 by car). Cooper's Hawk, 1; Ring-necked Pheasant, 2; Horned Owl, 2; Red-bellied Woodpecker, 2; Hairy Woodpecker, 2; Downy Woodpecker, 3; Horned Lark, 2; Blue Jay, 10; Am. Crow, 2; Black-capped Chickadee, 8; White-breasted Nuthatch, 10; Brown Creeper, 6; Common Starling, 17; House Sparrow, 200; Western Meadowlark, 1; Cardinal, 5; Slate-colored Junco, 10. **Total,** 17 species; 283 individuals.—Orville Nordsletten, Orwin A. Rustad (compiler).

**296. St. Paul, Minn.** (area same as last year with addition of Crosby Lake lowlands and some river-bottom land; farm woodlots 15%, pine forest 35%, tamarack 10%, grassy, cattail, willow, alder, weedy swamp 20%, open fields 20%).—Dec. 29; 7:30 a.m. to 4:30 p.m. Mostly overcast in a.m., sunshine last 2 hours; temp. 24° to 33°; wind W, 10-15 m.p.h.; 8-10-in. snow; all lakes ice-covered, city water canals open, open water-runs. Thirteen observers usually in 4 parties. Total party-hours, 30 (24 on foot, 6 by car); total party-miles, 72 (24 on foot, 48 by car). Mallard, 4; Am. Golden-eye, 60; Buffle-head, 1; Hooded Merganser, 3; Am. Merganser, 2; Cooper's Hawk, 2; Red-tailed Hawk, 2; Sparrow Hawk, 2; Ring-necked Pheasant, 32; Wilson's Snipe, 2; Horned Owl, 1; Barred Owl, 1; Belted Kingfisher, 1; Hairy Woodpecker, 8; Downy Woodpecker, 10; Blue Jay, 22; Am. Crow, 6; Black-capped Chickadee, 45; White-breasted Nuthatch, 8; Red-breasted Nuthatch, 12; Brown Creeper, 2; Am. Robin, 1; Golden-crowned Kinglet, 8; Common Starling, 95; House Sparrow, 250; Rusty Blackbird, 2; Brewer's Blackbird, 1; Cardinal, 8; Purple Finch, 2; Pine Grosbeak, 17; Common Redpoll, 7; Am. Goldfinch, 5; Slate-colored Junco, 45; Oregon Junco, 1 (watched by 11 members of group, in good sunlight at close range for 15 min. and later again, for 10 min.); Am. Tree Sparrow, 40; Lapland Longspur, 12. **Total,** 36 species; 720 individuals.—Mrs. M. Allie, Oscar Enstrom, John Hall, Sr., Caroline Larson, Larry McEvoy, Thomas Meyer, Mrs. W. Olin, Genevieve Pearson, Kermit Piper, Brother Pius, Mrs. J. Rice, A. C. Rosenwinkel (compiler), David Thurston (St. Paul Audubon Society).

**297. South St. Paul, Minn.** (area same as last year).—Dec. 30; 8:30 a.m. to 5 p.m. Clear to partly cloudy; temp. 10° (start) to 20° (finish); wind NW, 0-10 m.p.h.; 6-8-in. snow; backwaters of river ice-coated, channel 50% open. Nine observers, separated intermittently. Total party-hours, 11 (on foot); total party-miles, 8 (on foot). Mallard, 35; Black Duck, 2; Am. Golden-eye, 170; Buffle-head, 1; Am. Merganser, 2; Ring-necked Pheasant, 21; Hairy Woodpecker, 4; Downy Woodpecker, 12; Blue Jay, 8; Am. Crow, 3; Black-capped Chickadee, 19; Red-breasted Nuthatch, 6; Brown Creeper, 2; Common Starling, 16; House Sparrow, 200; Rusty Blackbird, 1; Cardinal, 8; Am. Goldfinch, 8; Slate-colored Junco, 19; Am. Tree Sparrow, 11. **Total,** 20 species; 548 individuals.—Geo. G. Anderson, Bona Carol Enstrom, Oscar Enstrom, Sr., Oscar Enstrom, Jr., J. Hall, Sr., Lawrence McEvoy, Kermit Piper, Medora Sanford, David Thurston.

**298. Walker, Minn.** (center of town to points approximately 6 miles in each direction; around Walker Bay on Leech Lake and Lake May; coniferous forests 40% [Chippewa National], the remainder cut-over lands with alder, birch, and poplar stands).—Dec. 30; 9 a.m. to 4 p.m. Cloudy with snow flurries; temp. 10° to 32°; wind S, 10 m.p.h.; ground covered with 15-in. light snow; lakes frozen. Two observers in 1 party. Total party-hours, 7 (3 on foot, 4 by car); total party-miles, 45 (5 on foot, 40 by car). Ruffed Grouse, 2; Hairy Woodpecker, 6; Downy Woodpecker, 4; Blue Jay, 7; Common Raven, 2; Black-capped Chickadee, 25; White-breasted Nuthatch, 4; Red-breasted Nuthatch, 4; Brown Creeper, 3; Golden-crowned Kinglet, 5; Gray Shrike, 1; Common Starling, 27; House Sparrow, 135; Cardinal, 1; Evening Grosbeak, 18; Pine Grosbeak, 38; Common Redpoll, 32; Pine Siskin, 5; Slate-colored Junco, 7; Song Sparrow, 1; Snow Bunting, 135. **Total,** 21 species; 462 individuals.—Harold R. Hanson (compiler), Stanton Oman.

**299. Cedar Falls, Iowa** (Snag Creek, Union Bridge, Hartman Reserve, Josh Higgins Park; river-bottoms 50%, upland forest 20%, savannas 20%, fields 10%).—Dec. 24; 8 a.m. to 12 m., 1 to 4:30 p.m. Cloudy, snowing in p.m.; temp. −2° to 9°; wind W, 10 m.p.h.; 1-ft. snow on ground, rivers mostly frozen. Two observers in 1 party. Total party-hours, 7½ (6 on foot, 1½ by car); total party-miles, 60 (15 on foot, 45 by car). Great Blue Heron, 1 (another found shot); Mallard, 1; Red-tailed Hawk, 1; Horned Owl, 1; Barred Owl, 1; Belted Kingfisher, 1; Red-bellied Woodpecker, 3; Hairy Woodpecker, 4; Downy Woodpecker, 15; Horned Lark, 12; Blue Jay, 20; Am. Crow, 75; Black-capped Chickadee, 45; Tufted Titmouse, 12; White-breasted Nuthatch, 20; Red-breasted Nuthatch, 1; Brown Creeper, 15; Common Starling, 12; House Sparrow, 50; Purple Grackle, 1; Cardinal, 40; Purple Finch, 1; Am. Goldfinch, 28; Slate-colored Junco, 200; Am. Tree Sparrow, 150; White-throated Sparrow, 1; Song Sparrow, 6. **Total,** 27 species; 717 individuals.—Martin L. Grant, Russell Hays.

**300. Davenport, Iowa** (Oakdale Cemetery, Duck Creek Park, Devils' Glen, creek bottoms and connecting roads; Davenport Levee, Credit Island and 2 miles of shore area along Mississippi River; open fields 45%, wooded streams 30%, deciduous woodland 25%).—Dec. 25; 7 a.m. to 4:30 p.m. Cloudy; temp. 22° to 24°; wind NE, 10 m.p.h., changing to N in p.m.; 6-9-in. snow on ground with many drifts; ponds frozen, creeks and Mississippi River frozen except a few small open areas. One observer. Total hours, 9½; total miles, about 12½ (on foot). Am. Golden-eye, 5; Am. Merganser, 50; Red-tailed Hawk, 2; Red-shouldered Hawk, 1; Bald Eagle, 7; Herring Gull, 2; Ring-billed Gull, 3; Barred Owl, 1; Yellow-shafted Flicker, 1; Red-bellied Woodpecker, 5; Red-headed Woodpecker, 7; Hairy Woodpecker, 1; Downy Woodpecker, 29; Horned Lark, 1; Blue Jay, 31; Am. Crow, 13; Black-capped Chickadee, 46; Tufted Titmouse, 11; White-breasted Nuthatch, 16; Brown Creeper, 4; Common Starling, 706 (600 est., 106); House Sparrow, 380; Cardinal, 40; Am. Goldfinch, 1; Slate-colored Junco, 31; Am. Tree Sparrow, 5; Song Sparrow, 3. **Total,** 27 species; about 1402 individuals. (Seen in area Dec. 29: Red-breasted Merganser, 1; Bob-white, 8; Dec. 30: Mallard, 2; Herring Gull, 26.)—C. F. Mueller.

**301. Des Moines, Iowa** (Waterworks Pk., Glendale and Pine Hill cemeteries, Crocker and Dove Woods, Morningstar, Impounding Res., Fisher's Lake, Sycamore Pk., Walnut Woods, Ashworth Pk., Parker Woods; open fields 25%, wooded streams 60%, lakeside 15%).—Dec. 29; 8 a.m. to 5 p.m. Clear; temp. 30° to 39°; wind S, 10-15 m.p.h.; 6-10-in. snow on ground, water frozen but some open water in streams and Impounding Reservoir. Fifteen observers in 5 parties. Total party-hours, 35½ (30 on foot, 5½ by car); total party-miles, 101 (37 on foot, 64 by car). Mallard, 1500 (est.); Black Duck, 7; Red-tailed Hawk, 6; Red-shouldered Hawk, 5; Rough-legged Hawk, 1; Bald Eagle, 1; Sparrow Hawk, 1; Bob-white, 15; Ring-necked Pheasant, 4; Wilson's Snipe, 1; Mourning Dove, 6; Horned Owl, 1; Barred Owl, 4; Short-eared Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 10; Red-bellied Woodpecker, 23; Hairy Woodpecker, 11; Downy Woodpecker, 61; Blue Jay, 44; Am. Crow, 69; Black-capped Chickadee, 185; Tufted Titmouse, 58; White-breasted Nuthatch, 45; Brown Creeper, 14; Am. Robin, 1; Cedar Waxwing, 10; Common Starling, 185; House Sparrow, 475; meadowlark (sp.), 8; Purple Grackle (Bronzed), 1; Cardinal, 153; Am. Goldfinch, 29; Slate-colored Junco, 357; Am. Tree Sparrow, 160; Song Sparrow, 13. **Total,** 36 species; about 3467 individuals. (Bald Eagle not uncommon along Mississippi River but rare in Polk Co.; seen perched and in flight at 200-250 yds.; perched again at 250 yds., and was observed through 20x scope [A.C.B., W.H.B., D.H., L.W.].)—Dorothy Anderson, Albert C. Berkowitz, Woodward H. Brown, Mr. and Mrs. Jas. H. Decker, Dick Hanson, Mr. and Mrs. Lester Haskell, Mrs. Schuyler S. Hunter, Olivia McCabe, Mrs. Harold Peasley, Mrs. Tom R. Pettit, Irene Smith, Mrs. Toni Wendelburg, Lynn Willcockson.

**302. Dubuque, Iowa** (same as last year).—Dec. 23; 7:30 a.m. to 4 p.m. Clear; temp. 5° to 15°; no wind; 10-in. snow on ground; river frozen. Eight observers in 1 party. Total party-hours, 7½ (7 on foot ½ by car); total party-miles, 12 (9 on foot, 3 by car). Red-tailed Hawk, 1; Bald Eagle, 1; Yellow-shafted Flicker, 2; Red-bellied Woodpecker, 6; Hairy Woodpecker, 3; Downy Woodpecker, 8; Horned Lark, 36; Blue Jay, 8; Am. Crow, 176; Black-capped Chickadee, 25; Tufted Titmouse, 1; White-breasted Nuthatch, 9; Red-breasted Nuthatch, 1; Brown Creeper, 5; Golden-crowned Kinglet, 7; Common Starling, 27; House Sparrow, 36; Cardinal, 8; Am. Goldfinch, 10; Slate-colored Junco, 23; Am. Tree Sparrow, 20. **Total,** 21 species; 413 individuals. (Seen in area Dec. 22: Marsh Hawk, 1; Dec. 29: Barred Owl, 1 heard.)—Janet Birch, Freida Crossley, George Crossley (com-

piler), Clifford Johnson, R. K. Lampe, Lois Lampe, David Reed, Ival Schuster (Dubuque Audubon Club).

303. **Harpers Ferry, Iowa** (7½-mile radius centering on ¼ section corner between sections 30 and 31, Twp. 97, N., 3 W. of 5th P.M., and including east part of Yellow River Forest Reserve, Hart Coniferous Timber Reserve, Waukon Junction, Harpers Ferry to Government Lock and Dam No. 9; deciduous timber 25%, coniferous timber 5%, overflow bottom covered with weeds and brush 40%, pasture 20%, unharvested corn fields 10%).—Dec. 30; 7:30 a.m. to 4 p.m. Clear; temp. 20° to 30°; wind NNE to NW, 5-12 m.p.h.; ground covered with 8-12-in. loose snow, no open water except just below locks. Two observers together. Total hours, 8½ (4½ on foot, 4 by car); total miles, 50½ (5½ on foot, 45 by car). Red-tailed Hawk, 1; Barred Owl, 1; Red-bellied Woodpecker, 6; Hairy Woodpecker, 2; Downy Woodpecker, 8; Horned Lark, 1; Blue Jay, 12; Am. Crow, 13; Black-capped Chickadee, 22; Tufted Titmouse, 1; White-breasted Nuthatch, 4; Golden-crowned Kinglet, 2; Common Starling, 30; House Sparrow, 110; Cardinal, 17; Am. Goldfinch, 4; Slate-colored Junco, 38; Am. Tree Sparrow, 85; White-crowned Sparrow, 1 (carefully observed in clear light at close range by both observers). **Total,** 19 species; 358 individuals.—Arthur J. Palas (compiler), Fritz R. Palas.

304. **Iowa City, Iowa** (same as last year; open farmland 40%, deciduous woodland 45%, coniferous woodland 10%, marsh 5%).—Dec. 29; 7:30 a.m. to 5 p.m. Lightly overcast; temp. 25° to 38°; wind SE, 0-2 m.p.h.; 8-10-in. lightly crusted snow. Nine observers in 2 parties. Total party-hours, 15½ (10½ on foot, 5 by car); total party-miles, 75 (15 on foot, 60 by car). Mallard, 2; Red-tailed Hawk, 8; Red-shouldered Hawk, 1; Rough-legged Hawk, 3; Sparrow Hawk, 1; Bob-white, 28; Ring-necked Pheasant, 4; Screech Owl, 1; Horned Owl, 1; Barred Owl, 1; Long-eared Owl, 1; Saw-whet Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 12; Red-bellied Woodpecker, 8; Red-headed Woodpecker, 9; Hairy Woodpecker, 5; Downy Woodpecker, 26; Horned Lark, 4; Blue Jay, 33; Am. Crow, 54; Black-capped Chickadee, 89; Tufted Titmouse, 24; White-breasted Nuthatch, 37; Brown Creeper, 4; Brown Thrasher, 1 (at feeder for 2 weeks); Cedar Waxwing, 1; Common Starling, 48; House Sparrow, 150 (est.); Eastern Meadowlark, 1; Red-winged Blackbird, 1; Cardinal, 74; Am. Goldfinch, 23; Slate-colored Junco, 76; Am. Tree Sparrow, 74; Song Sparrow, 9. **Total,** 36 species; about 816 individuals.—Norwood Hazard, F. W. Kent, Tom Kent (compiler), Dr. and Mrs. P. P. Laude, Dr. and Mrs. Max Pepernik, Dick Schaefer, Paul Ver Vais.

305. **Mt. Vernon, Iowa** (same as last year).—Dec. 29; 8 a.m. to 5 p.m. Cloudy; temp. 30° to 36°; wind S to SW, 8-12 m.p.h.; ground covered 2-6-in. snow; water frozen except immediately below Palisades dam. Two observers in 1 party. Total party-hours, 8½ (6½ on foot, 2 by car); total party-miles, 37 (9 on foot, 28 by car). Red-tailed Hawk, 1; Bald Eagle, 1 (adult); Ring-necked Pheasant, 23; Horned Owl, 1; Barred Owl, 1; Red-bellied Woodpecker, 2; Downy Woodpecker, 5; Blue Jay, 8; Am. Crow, 9; Black-capped Chickadee, 22; Tufted Titmouse, 6; White-breasted Nuthatch, 7; Brown Creeper, 1; Common Starling, 24; House Sparrow, 211; Rusty Blackbird, 5 (observed at close range with 7x binoculars); Cardinal, 9; Am. Goldfinch, 2; Slate-colored Junco, 58; Am. Tree Sparrow, 13; Song Sparrow, 4. **Total,** 21 species; 413 individuals. (Seen in area Dec. 30: Short-eared Owl, 2.)—J. David Ennis, J. Harold Ennis (compiler).

306. **Newton, Iowa** (same as all previous years).—Dec. 30; 8 a.m. to 5 p.m. Overcast; temp. 23° to 20°; wind W, 1-5 m.p.h.; ground covered with 2-4-in. new snow, water frozen. Five observers in 1 party. Total party-hours, 9 (8 on foot, 1 by car); total party-miles, 18 (13 on foot, 5 by car). Red-tailed Hawk, 2; Red-shouldered Hawk, 1; Sparrow Hawk, 2; Ring-necked Pheasant, 2; Short-eared Owl, 9; Yellow-shafted Flicker, 2; Red-bellied Woodpecker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 6; Horned Lark, 26; Blue Jay, 4; Am. Crow, 15; Black-capped Chickadee, 10; Tufted Titmouse, 4; Common Starling, 17; House Sparrow, 75; Eastern Meadowlark, 2; Purple Grackle (Bronzed), 1; Cardinal, 5; Am. Goldfinch, 2; Slate-colored Junco, 10; Am. Tree Sparrow, 7. **Total,** 22 species; about 204 individuals.—John Paul Moore, James O'Brien, William Reed, Lyle Tyler, Jr., Mass Yoshinaga (Newton Bird and Nature Club).

307. **Sioux City (Woodbury Co.), Iowa** (15-mile diameter; deciduous timber woodland and park area 40%, coniferous cemetery and park areas 5%, river and lake country, wooded streams, marsh country 30%, open fields and open country 15%, city and suburban area 10%).—Dec. 30; 7:30 a.m. to 5:30 p.m. Clear to intermittent light overcast; temp. 26° to 40°; wind SSE, 5-10 m.p.h.; ground covered with 7-in. snow; Big Sioux River open south of S. C. Gas plant, Missouri River mostly frozen. Thirty-two observers in 15 parties. Total party-hours, 55 (35 on foot, 20 by car); total party-miles, 343 (26 on foot, 317 by car). Mallard, 5; Red-tailed Hawk, 2; Rough-legged Hawk, 3; Marsh Hawk, 1; Bob-white, 37; Ring-necked Pheasant, 12; **Mourning Dove,** 2; Horned Owl, 1; Yellow-shafted Flicker, 21; Red-bellied Woodpecker, 2; Hairy Woodpecker, 28; Downy Woodpecker, 68; Horned Lark, 17; Blue Jay, 24; **Am. Magpie,** 1 (Nickolson); Am. Crow, 1215 (1000 est., 215); Black-capped Chickadee, 343; **Tufted Titmouse,** 1 (Davison); White-breasted Nuthatch, 59; **Red-breasted Nuthatch,** 14; Brown Creeper, 48; Golden-crowned Kinglet, 13; Ruby-crowned Kinglet, 7; Common Starling, 98; House Sparrow, 660 (500 est., 160); Western Meadowlark, 37; **Red-winged Blackbird,** 86; **Purple Grackle (Bronzed),** 1; Cardinal, 83; **Purple Finch,** 4 (Marsh); Pine Siskin, 77; Am. Goldfinch, 34; Slate-colored Junco, 549 (300 est., 249); Am. Tree Sparrow, 629 (400 est., 229); **Harris's Sparrow,** 6

(Schatz); Lapland Longspur, 2. **Total,** 36 species; about 4190 individuals.—Mr. and Mrs. W. W. Barrett, Mr. and Mrs. Harold Cline, Phil Cline, Mr. and Mrs. P. B. Davison, Mr. and Mrs. Harry M. Edwards, Mr. and Mrs. Emery, Carl R. Fritzsche, Karl Kuhlmann, Zell C. Lee (compiler), Mr. and Mrs. Milton M. Lory, George Marsh, Jeanette Marsh, John Rath, Mrs. R. F. Remer, Mr. and Mrs. A. H. Schatz, Alan Schatz, Lois Little, Dr. and Mrs. John L. Schott, Bob Jensen, Eugene Walding, L. J. Nickolson, Bob Nickolson, Gertrude Weaver, Carl Wellhausen (Sioux City Bird Club).

**308. Creve Coeur Lake and St. Charles Co., Mo.** [reported previously as "Portage des Sioux, Mo."] (including Marais Temps Clair, near confluence of Missouri and Mississippi Rivers; deciduous woods 45%, farmland 15%, marshland 25%, open water 15%). Dec. 30; 8 a.m. to 4 p.m. Foggy, visibility 300 ft.; temp. 41° to 52°; no wind; ground partly covered with sleet and snow. Eleven observers in 2 parties. Total party-hours, 9 (on foot); total party-miles, 12 (on foot). Sparrow Hawk, 1; Bob-white, 1; Mourning Dove, 1; Yellow-shafted Flicker, 1; Red-bellied Woodpecker, 7; Red-headed Woodpecker, 4; Downy Woodpecker, 8; Blue Jay, 4; Black-capped Chickadee, 5; Tufted Titmouse, 10; White-breasted Nuthatch, 1; Carolina Wren, 5; Mockingbird, 1; Common Starling, 235; House Sparrow, 650; European Tree Sparrow, 3; Red-winged Blackbird, 1; Cardinal, 17; Am. Goldfinch, 21; Slate-colored Junco, 12; Am. Tree Sparrow, 204; Song Sparrow, 3. **Total,** 22 species; 1195 individuals.—Gerry Giessow, George Graff, George Graff, Jr., Mildred Graff, J. C. Hail, Mrs. J. C. Hail, Charles Hail, E. H. Hath, J. Marshall Magner, Robert Marshak, Chip Reay (St. Louis Audubon Society).

**309. Glencoe and Warson Woods, Mo.** (oak-hickory woods 65%, open fields 30%, water 5%).—Dec. 30; 8 a.m. to 4:30 p.m. Foggy, visibility 300 ft.; temp. 41° to 52°; no wind; ground partly covered by sleet and snow. Five observers in 2 parties. Total party-hours, 11 (on foot); total party-miles, 15 (on foot). Red-tailed Hawk, 1; Sparrow Hawk, 2; Bob-white, 26; Wilson's Snipe, 2; Belted Kingfisher, 1; Yellow-shafted Flicker, 4; Pileated Woodpecker, 5; Red-bellied Woodpecker, 13; Red-headed Woodpecker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 6; Blue Jay, 28; Am. Crow, 12; Black-capped Chickadee, 26; Tufted Titmouse, 16; White-breasted Nuthatch, 12; Carolina Wren, 10; Mockingbird, 5; Am. Robin, 30; Eastern Bluebird, 8; Golden-crowned Kinglet, 2; Ruby-crowned Kinglet, 1; Cedar Waxwing, 20; Loggerhead Shrike, 1; Common Starling, 16; House Sparrow, 100; Red-winged Blackbird, 1; Cardinal, 39; Purple Finch, 27; Am. Goldfinch, 21; Vesper Sparrow, 1; Slate-colored Junco, 256; Am. Tree Sparrow, 280; Field Sparrow, 2; Song Sparrow, 8. **Total,** 35 species; 984 individuals. (Seen in area Dec. 29: Killdeer, 5; Screech Owl, 1; Barred Owl, 2; Brown Creeper, 1; Myrtle Warbler, 1.)—J. Earl Comfort, Richard Fallon, David M. Jones, J. Lane, H. Lewis (St. Louis Audubon Society).

**310. Kansas City, Mo. and Kans.** (same areas as last year).—Dec. 23; 7 a.m. to 5 p.m. Clear; temp. 10° to 25°; wind 0-5 m.p.h.; 3-in. snow on ground. Twenty-one observers in 5 parties. Total party-hours, 35 (30 on foot, 5 by car); total party-miles, 85 (20 on foot, 65 by car). Canada Goose, 9; Mallard, 5175 (est.); Black Duck, 8; Gadwall, 26; Am. Widgeon, 23; Pintail, 2; Green-winged Teal, 2; Canvas-back, 1; Lesser Scaup, 1; Am. Golden-eye, 1; Hooded Merganser, 1; Am. Merganser, 2000 (est.); Cooper's Hawk, 1; Red-tailed Hawk, 19; Harlan's Hawk, 1; Rough-legged Hawk, 4; Bald Eagle, 1; Marsh Hawk, 5; Sparrow Hawk, 7; Am. Coot, 4; Killdeer, 1; Wilson's Snipe, 3; Herring Gull, 1; Mourning Dove, 7; Horned Owl, 1; Barred Owl, 1; Belted Kingfisher, 5; Yellow-shafted Flicker, 49; Red-shafted Flicker, 1; Red-bellied Woodpecker, 34; Red-headed Woodpecker, 7; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 8; Downy Woodpecker, 34; Horned Lark, 30; Blue Jay, 89; Am. Crow, 207; Black-capped Chickadee, 149; Tufted Titmouse, 81; White-breasted Nuthatch, 5; Red-breasted Nuthatch, 5; Brown Creeper, 12; Winter Wren, 1; Carolina Wren, 21; Am. Robin, 259; Eastern Bluebird, 51; Golden-crowned Kinglet, 4; Ruby-crowned Kinglet, 1; Cedar Waxwing, 5; Loggerhead Shrike, 1; Common Starling, 3385 (est.); Myrtle Warbler, 1; House Sparrow, 1295 (est.); Eastern Meadowlark, 23; Western Meadowlark, 36; Red-winged Blackbird, 4; Rusty Blackbird, 1; Cardinal, 120; Purple Finch, 40 (est.); Am. Goldfinch, 67; Spotted Towhee, 1; Slate-colored Junco, 580 (est.); Oregon Junco, 4; Am. Tree Sparrow, 480 (est.); Harris's Sparrow, 6; White-throated Sparrow, 3; Fox Sparrow, 2; Lincoln's Sparrow, 2; Swamp Sparrow, 1; Song Sparrow, 110. **Total,** 70 species; about 14,527 individuals. (Observed in area Dec. 30: Mockingbird, 1; Screech Owl, 1; Short-eared Owl, 15; Lapland Longspur, 37; King Rail, 1 [shot in leg and wing].)—Henry Harford, Ben King, Frank Stoerman, Harold Hedges, Irving Fay, Ed Otto, Stephen Pate, Dick Dawson, Esther O'Connor, Earl Waldsmith, Fletcher Taylor, John Bishop (compiler), Jere Hodshire, Jerry Russel, Elliot Parker, Bob Smith, Kenneth Echternacht, Charles Denesha, Ted Denesha, Bob Thomann, Larry Underwood (Burroughs Nature Club).

**311. Ranken (St. Louis Co.), Mo.** (tract between Valley Park and Eureka 6 miles long, 4 miles wide; deciduous woods on Ozark hillslopes 40%, open valleys bordering spring-fed creeks and Meramec River 40%, red cedar groves 8%, farmland 10%, water 2%; this area is now a Boy Scout Reservation).—Dec. 23; 8 a.m. to 4 p.m. Partly cloudy; temp. 28° to 31°; wind W, 0-7 m.p.h.; ground partly covered with sleet and snow; water 90% open. Seven observers in 2 parties. Total party-hours, 11 (on foot); total party-miles, 12 (on foot). Cooper's Hawk, 1; Red-tailed Hawk, 1; Bald Eagle, 1; Killdeer, 5; Belted Kingfisher, 4; Yellow-shafted Flicker, 1; Pileated Woodpecker, 2; Red-bellied Woodpecker, 7; Downy Woodpecker, 7; Blue Jay, 12; Am. Crow, 93; Black-capped Chickadee, 17; Tufted Titmouse, 18; White-breasted Nuthatch, 2; Carolina Wren, 10;

Eastern Bluebird, 27; Golden-crowned Kinglet, 12; Common Starling, 21; Myrtle Warbler, 8; Cardinal, 106; Purple Finch, 6; Am. Goldfinch, 31; Slate-colored Junco, 210; Am. Tree Sparrow, 456; Field Sparrow, 1; White-throated Sparrow, 2; Fox Sparrow, 4; Song Sparrow, 9. **Total,** 28 species; 1074 individuals.—A. J. Bennett, James Earl Comfort, J. F. Comfort, Helen Hill, Robert Hill, James Jackson, J. Marshall Magner (Webster Groves Nature Study Society).

312. **Squaw Creek National Wildlife Refuge (Holt Co.), Mo.** (7000 acres of marsh land).—Dec. 30; 9 a.m. to 4 p.m. Hazy to foggy; temp 60° to 40°; wind strong; all water frozen except where ducks and geese were swimming in 2 pools; little snow on ground. Five observers in 5 parties. [Total party-hours and party-miles not given—Ed.] White Pelican, 6 (all cripples); Canada Goose, 3000; Snow Goose, 100; Blue Goose, 500; Mallard, 30,000; Black Duck, 2; Pintail, 100; Red-tailed Hawk, 5; Bald Eagle, 6; Marsh Hawk, 6; Ring-necked Pheasant, 8; Yellow-shafted Flicker, 4; Red-bellied Woodpecker, 2; Hairy Woodpecker, 6; Downy Woodpecker, 10; Blue Jay, 4; Am. Crow, 100; Black-capped Chickadee, 1000 [50 reported last year; no details on how these were estimated—Ed.]; Am. Robin, 10; Common Starling, 100; Eastern Meadowlark, 6; Red-winged Blackbird, 20; Purple Grackle, 50; Cardinal, 12; Slate-colored Junco, 500; Am. Tree Sparrow, 1000; White-crowned Sparrow, 24. **Total,** 27 species; about 36,575 individuals.—Donovan L. Reynolds, Thompson Walker, Harry E. Wright, Roy E. Coy, Bruce Stollberg.

313. **Weldon Springs (St. Charles Co.), Mo.** (3½-mile radius, August A. Busch Wildlife Management Area of Mo. Conservation Comm.; cultivated fields 5%, weed-grown untilled fields 75%, deciduous woods bordering Dardenne Creek 10%, deciduous woods with sprinkling of red cedars 10%).—Dec. 29; 7:30 a.m. to 4 p.m. Clear; temp. 31° to 56°; wind WSW, 5-8 m.p.h.; ground iced, all lakes frozen. Two observers in 1 party. Total party-hours, 8½ (on foot); total party-miles, 11. Sharp-shinned Hawk, 1; Red-tailed Hawk, 5; Red-shouldered Hawk, 1; Rough-legged Hawk, 1; Marsh Hawk, 3; Sparrow Hawk, 1; Bob-white, 59; Mourning Dove, 19; Horned Owl, 1; Barred Owl, 2; Yellow-shafted Flicker, 18; Pileated Woodpecker, 2; Red-bellied Woodpecker, 21; Red-headed Woodpecker, 23; Hairy Woodpecker, 1; Downy Woodpecker, 7; Horned Lark, 51 (48 Prairie, 3 Northern); Blue Jay, 79; Am. Crow, 47; Black-capped Chickadee, 21; Carolina Chickadee, 2 (identified by call notes and markings); Tufted Titmouse, 23; White-breasted Nuthatch, 11; Carolina Wren, 9; Mockingbird, 5; Am. Robin, 6; Eastern Bluebird, 9; Loggerhead Shrike, 1; Common Starling, 30; Myrtle Warbler, 15; House Sparrow, 27; Eastern Meadowlark, 31; Red-winged Blackbird, 112; Cardinal, 73; Purple Finch, 17; Am. Goldfinch, 220; Eastern Towhee, 4; Slate-colored Junco, 41; Am. Tree Sparrow, 835; White-crowned Sparrow, 12; Song Sparrow, 14. **Total,** 41 species (1 additional subspecies); 1860 individuals. (Seen earlier in week: Lapland Longspur, Oregon Junco, Swamp Sparrow, White-throated Sparrow, Fox Sparrow, Purple Grackle, Rusty Blackbird, Belted Kingfisher.)—James F. Comfort, James Earl Comfort (compiler).

314. **Fort Smith, Ark.** (5-mile radius centering on Garrison Ave. and Sixth St., and including Massard Prairie and Wild Cat Mountain and river bottom near West Fort Smith; upland deciduous forest 47%, fresh water pond 9%, grassy fields 11%, shrubby fields 15%, plowed river bottom 10%, bottom land deciduous forest 6%, town lots 2%).—Dec. 26; 8 a.m. to 5:20 p.m. Partly cloudy; temp. 25° to 45°; wind W, 2-3 m.p.h.; ground frozen, fresh water not frozen. Four observers in 1 party. Total party-hours, 8½ (6¾ on foot, 1¾ by car); total party-miles, 78½ (1¾ on foot, 76¾ by car). Pintail, 1; Red-tailed Hawk, 5; Marsh Hawk, 1; Sparrow Hawk, 3; Bob-white, 14; Virginia Rail, 1; Killdeer, 1; Mourning Dove, 3; Barred Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 14; Pileated Woodpecker, 1; Red-bellied Woodpecker, 1; Red-headed Woodpecker, 33; Yellow-bellied Sapsucker, 2; Downy Woodpecker, 7; Blue Jay, 52; Am. Crow, 562; Carolina Chickadee, 15; Tufted Titmouse, 13; White-breasted Nuthatch, 3; Bewick's Wren, 1; Carolina Wren, 9; Mockingbird, 23; Am. Robin, 7; Eastern Bluebird, 4; Cedar Waxwing, 30; Loggerhead Shrike, 1; Common Starling, 1106; House Sparrow, 1500; Eastern Meadowlark, 35; Purple Grackle (Bronzed), 295; Brown-headed Cowbird, 32; Cardinal, 22; Purple Finch, 38; Am. Goldfinch, 11; Eastern Towhee, 3; Slate-colored Junco, 21; Field Sparrow, 22; White-throated Sparrow, 81; Song Sparrow, 15. **Total,** 41 species; 3990 individuals.

315. **Lonoke, Ark.** (U. S. Hwy 70, 10 miles E and 5 miles W of Lonoke; state hwy 31, 5 miles S and 4 miles N of town; deciduous woods 20%, highways and old fields and pastures 27%, weedy field 5%, rice fields 8%, goldfish and duck ponds in rice fields 10%, 267-acre fish hatchery [1/3 of ponds drained] 30%).—Dec. 24; 7:15 a.m. to 5 p.m. Overcast, noon rain; temp. 44° to 59°; wind slight; muddy; hunting at stands in ponds. Four observers, generally together. Total party-hours, 12 (9 on foot, 3 by car); total party-miles, 47 (7 on foot, 40 by car). Pied-billed Grebe, 11; Great Blue Heron, 32; **Am. Egret,** 1; **Yellow-crowned Night Heron,** 1 ad.; **Am. Bittern,** 2; Canada Goose, 3; Mallard, 100 (est.); Gadwall, 6; Am. Widgeon, 294; Pintail, 63; Green-winged Teal, 10; Blue-winged Teal, 3; **Shoveller,** 147; Redhead, 2; Ring-necked Duck, 20; Canvas-back, 97; Lesser Scaup, 59; Am. Golden-eye, 2; Ruddy Duck, 2; Hooded Merganser, 1; Turkey Vulture, 5; Red-tailed Hawk, 13; Red-shouldered Hawk, 1; Marsh Hawk, 32; Sparrow Hawk, 2; Bob-white, 14; **King Rail,** 2 (a 3rd found dead); Am. Coot, 244; Killdeer, 90; **Wilson's Snipe,** 215; **Least Sandpiper,** 78; Mourning Dove, 40; Barred Owl, 2 (+1 of Florida race found dead); Belted Kingfisher, 8; Yellow-shafted Flicker, 6; Pileated Woodpecker,

2; Red-bellied Woodpecker, 10; Red-headed Woodpecker, 4; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 8; Horned Lark, 2; Blue Jay, 35; Am. Crow, 13; Carolina Chickadee, 27; Tufted Titmouse, 9; Brown Creeper, 1; Winter Wren, 2; Bewick's Wren, 2; Carolina Wren, 6; Long-billed Marsh Wren, 4; Mockingbird, 9; Brown Thrasher, 1; Am. Robin, 54; Hermit Thrush, 12; Golden-crowned Kinglet, 12; Water Pipit, 18; Loggerhead Shrike, 22; Common Starling, 119; Myrtle Warbler, 2; House Sparrow, 258; Eastern Meadowlark, 68; Red-winged Blackbird, 116; Rusty Blackbird, 105; Brewer's Blackbird, 10; Purple Grackle, 2077 (2000 est., 77); Brown-headed Cowbird, 40; unidentified blackbirds, 25,100 (est.); Cardinal, 26; Purple Finch, 7; Am. Goldfinch, 1; Eastern Towhee, 4; Savannah Sparrow, 63; Slate-colored Junco, 78; Field Sparrow, 24; White-crowned Sparrow, 6; White-throated Sparrow, 128; Swamp Sparrow, 92; Song Sparrow, 85; Lapland Longspur, 150 (135 est., 15); Smith's Longspur, 15 (on flushing, first glimpse, were thought to be Vesper Sparrows; decidedly different from the frequently encountered Lapland species, also on same field). **Total,** 80 species; about 30,437 individuals. Area considered favorable for marsh and shore stragglers.—Ben B. Coffey, Jr., Mrs. Floy Barefield, R. Demett Smith, Jr., Alan Ziegler.

**316. Texarkana, Ark.-Tex.** (starting where Highway 71 crosses Red River 9 miles north of Texarkana, 4 miles in Arkansas; 12 miles in Texas; pastures 15%, woodlands 25%, cutover land 25%, lakes 25%, river banks 10%).—Dec. 30; 7:30 a.m. to 4:30 p.m. Clear; temp. 60° to 80°; wind 20-25 m.p.h.; unusually warm and dry. Two observers in 1 party. Total party-hours, 9 (8½ on foot, ½ by car); total party-miles, 24 (16 on foot, 8 by car). Pied-billed Grebe, 2; Water-turkey, 1; Great Blue Heron, 5; Canada Goose, 20; Mallard, 5; Pintail, 2; Shoveller, 6; Canvas-back, 5; Greater Scaup, 80; Turkey Vulture, 5; Black Vulture, 5; Cooper's Hawk, 1; Red-tailed Hawk, 5; Marsh Hawk, 1; Sparrow Hawk, 3; Killdeer, 27; Mourning Dove, 1; Barred Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 12; Red-bellied Woodpecker, 11; Yellow-bellied Sapsucker, 1; Downy Woodpecker, 5; Blue Jay, 6; Am. Crow, 29; Carolina Chickadee, 4; Brown Creeper, 1; Carolina Wren, 2; Mockingbird, 2; Brown Thrasher, 1; Am. Robin, 2; Eastern Bluebird, 3; Golden-crowned Kinglet, 1; Ruby-crowned Kinglet, 2; Loggerhead Shrike, 14; Common Starling, 166; Myrtle Warbler, 1; House Sparrow, 25; Eastern Meadowlark, 9; Red-winged Blackbird, 503; Purple Grackle, 5; Brown-headed Cowbird, 28; Cardinal, 35; Purple Finch, 2; Am. Goldfinch, 69; Eastern Towhee, 1; Slate-colored Junco, 27; White-throated Sparrow, 8; Fox Sparrow, 7; Song Sparrow, 5. **Total,** 50 species; 1163 individuals.—Charles Gardner (compiler), Jack Logan.

**317. Sabine Migratory Waterfowl Refuge, La.** (same as last year).—Dec. 29; 6 a.m. to 6 p.m. Partly cloudy; temp. 65° to 60°; wind SW, 4-12 m.p.h. Five observers in 4 parties. Total party-hours, 44 (22 on foot, 14 by car, 8 by boat); total party-miles, 147 (15 on foot, 104 by car, 28 by boat). Common Loon, 2; Horned Grebe, 2; Pied-billed Grebe, 23; White Pelican, 51; Brown Pelican, 96; Double-crested Cormorant, 6; Olivaceus Cormorant, 5; Great Blue Heron, 79; Am. Egret, 42; Snowy Egret, 44; Louisiana Heron, 17; Little Blue Heron, 10; Black-crowned Night Heron, 12; Yellow-crowned Night Heron, 1; **Am. Bittern,** 7; White-faced Ibis, 68; White Ibis, 10; Canada Goose, 330 (including Cackling Goose, 15—V.L.C., F.G.C.); White-fronted Goose, 50; **Snow Goose,** 32,000; **Blue Goose,** 32,000; Mallard, 20,000; Black Duck, 100; Mottled Duck, 50; **Gadwall,** 2000; Am. Widgeon, 1000; Pintail, 10,500; Green-winged Teal, 500; **Blue-winged Teal,** 2500 [no details—Ed.]; **Shoveller,** 1000; Ring-necked Duck, 4; Lesser Scaup, 100; Turkey Vulture, 21; Black Vulture, 43; Red-tailed Hawk, 6; Red-shouldered Hawk, 3; Rough-legged Hawk, 1; **Marsh Hawk,** 134; Peregrine Falcon, 1; Pigeon Hawk, 1; **Sparrow Hawk,** 120; Bob-white, 4; **King Rail,** 10; Clapper Rail, 3; Florida Gallinule, 1; Am. Coot, 100; Ringed Plover, 3; Killdeer, 151; Black-bellied Plover, 30; Ruddy Turnstone, 2; Am. Woodcock, 1; **Wilson's Snipe,** 178; Long-billed Curlew, 3; Willet, 55; Greater Yellow-legs, 25; Lesser Yellow-legs, 32; Least Sandpiper, 22; Red-backed Sandpiper, 97; Dowitcher, 13; Semipalmated Sandpiper, 3; Western Sandpiper, 415; Sanderling, 34; Am. Avocet, 9; Herring Gull, 295; Ring-billed Gull, 728; Laughing Gull, 441; Bonaparte's Gull, 240; Gull-billed Tern, 19; Forster's Tern, 68; Common Tern, 4; Royal Tern, 65; Caspian Tern, 5; Black Skimmer, 77; Mourning Dove, 79; Belted Kingfisher, 36; Yellow-shafted Flicker, 17; Yellow-bellied Sapsucker, 1; Downy Woodpecker, 1; Eastern Phoebe, 8; Tree Swallow, 2; Blue Jay, 39; Fish Crow, 53; Carolina Chickadee, 1; House Wren, 23; Winter Wren, 2; Carolina Wren, 7; Long-billed Marsh Wren, 2; **Short-billed Marsh Wren,** 51; Mockingbird, 88; Brown Thrasher, 39; Am. Robin, 18; Hermit Thrush, 1; Blue-gray Gnatcatcher, 48; Golden-crowned Kinglet, 22; Ruby-crowned Kinglet, 23; Water Pipit, 167; Sprague's Pipit, 4; **Loggerhead Shrike,** 324; Common Starling, 10,000; Solitary Vireo, 2; Orange-crowned Warbler, 12; Myrtle Warbler, 48; Palm Warbler, 12; Common Yellowthroat, 44; House Sparrow, 23; Eastern Meadowlark, 142; Western Meadowlark, 5; Red-winged Blackbird, 5000; Brewer's Blackbird, 5; Boat-tailed Grackle, 2000; Brown-headed Cowbird, 4; Cardinal, 102; Am. Goldfinch, 5; Eastern Towhee, 4; Savannah Sparrow, 97; **Leconte's Sparrow,** 16; Sharp-tailed Sparrow, 15; Seaside Sparrow, 68; **Harris's Sparrow,** 1 (F.B., G.H.L.); White-crowned Sparrow, 44; White-throated Sparrow, 47; Lincoln's Sparrow, 3; Swamp Sparrow, 47; Song Sparrow, 8. **Total,** 124 species (1 additional subspecies); 124,897 individuals.—Fred J. Buchmann, Vandiver L. Childs, F. G. Cooch, Horace H. Jeter, George H. Lowery, Jr.

**318. St. Francisville, La.** (same as 1945 and subsequent years).—Dec. 22; 1:30 a.m. to 6 p.m. Clear; temp. 27° to 55°; wind N, changing to SE, 6-11

m.p.h. Twelve observers in 5 parties. Total party-hours, 58 (40 on foot, 17 by car, 1 by boat); total party-miles, 277½ (33 on foot, 244 by car, ½ by boat). Horned Grebe, 40; **Pied-billed Grebe,** 119; White Pelican, 2; Double-crested Cormorant, 81; Great Blue Heron, 13; Am. Egret, 9; Mallard, 4; **Gadwall,** 139; Am. Widgeon, 125; Pintail, 51; **Green-winged Teal,** 1; Shoveller, 2; **Wood Duck,** 18; Redhead, 4; Ring-necked Duck, 25; Canvas-back, 580; Lesser Scaup, 89; Am. Golden-eye, 6; Buffle-head, 40; **Ruddy Duck,** 4000; Turkey Vulture, 17; Black Vulture, 128; Sharp-shinned Hawk, 2; Red-tailed Hawk, 18; Red-shouldered Hawk, 10; Rough-legged Hawk, 2; Marsh Hawk, 6; Sparrow Hawk, 21; rail, 2 (sp.? probably King); Am. Coot, 2800; Killdeer, 130; Am. Woodcock, 4; Wilson's Snipe, 22; Spotted Sandpiper, 2; Least Sandpiper, 66; Western Sandpiper, 1; Herring Gull, 14; **Ring-billed Gull,** 49; **Mourning Dove,** 185; Screech Owl, 3; Horned Owl, 1; Barred Owl, 12; Belted Kingfisher, 28; Yellow-shafted Flicker, 43; Pileated Woodpecker, 8; Red-bellied Woodpecker, 66; **Red-headed Woodpecker,** 24; Yellow-bellied Sapsucker, 18; Hairy Woodpecker, 4; Downy Woodpecker, 43; **Eastern Phoebe,** 42; Tree Swallow, 10; **Rough-winged Swallow,** 50; **Blue Jay,** 168; Am. Crow, 229; Fish Crow, 20; **Carolina Chickadee,** 222; Tufted Titmouse, 105; **Brown-headed Nuthatch,** 5; Brown Creeper, 2; House Wren, 11; **Winter Wren,** 29; Bewick's Wren, 3; Carolina Wren, 83; **Long-billed Marsh Wren,** 10; Mockingbird, 146; Catbird, 2; Brown Thrasher, 80; Am. Robin, 457; **Hermit Thrush,** 40; Eastern Bluebird, 98; **Blue-gray Gnatcatcher,** 12; Golden-crowned Kinglet, 17; **Ruby-crowned Kinglet,** 260; **Water Pipit,** 605; Cedar Waxwing, 85; Loggerhead Shrike, 62; **Common Starling,** 2694; White-eyed Vireo, 2; Orange-crowned Warbler, 31; Myrtle Warbler, 860; Pine Warbler, 5; Palm Warbler, 7; Common Yellowthroat, 19; House Sparrow, 36; **Eastern Meadowlark,** 207; **Western Meadowlark,** 6; Red-winged Blackbird, 8750; Rusty Blackbird, 536; Brewer's Blackbird, 544; Purple Grackle, 1590; Brown-headed Cowbird, 23; Cardinal, 233; Purple Finch, 6; Am. Goldfinch, 86; Eastern Towhee, 84; Savannah Sparrow, 84; Vesper Sparrow, 5; Slate-colored Junco, 11; Chipping Sparrow, 36; Field Sparrow, 23; White-throated Sparrow, 914; **Fox Sparrow,** 38; Swamp Sparrow, 60; Song Sparrow, 13. **Total,** 105 species; about 28,833 individuals.—Fred J. Buchmann, Charles Fugler, Erskine Gandy, Mr. and Mrs. Richard Graber, Mr. and Mrs. Robert Krebs, George H. Lowery, Jr., Mr. and Mrs. R. B. Moore, Robert J. Newman, J. Harvey Roberts.

**319. Shreveport, La.** (same area as last year; open fields and pastures 20%, brushy fields and edges 30%, deciduous woods 35%, pine woods 5%, wooded lake 2%, open lake 8%).—Dec. 23; 7 a.m. to 5:30 p.m. Partly cloudy; temp. 39° to 70°; wind S to SE, 10-18 m.p.h.; ground damp, Cross Lake 2 feet below normal level. Three observers in 2 parties. Total party-hours, 21 (15 on foot, 4 by car, 2 in motor-boat); total party-miles, 140 (16 on foot, 112 by car, 12 by boat). Pied-billed Grebe, 6; Double-crested Cormorant, 6; Great Blue Heron, 18; Am. Egret, 11; Little Blue Heron, 2; Black-crowned Night Heron, 9; Mallard, 20; Pintail, 3; Ring-necked Duck, 40; Canvas-back, 300; Ruddy Duck, 80; Turkey Vulture, 20; Black Vulture, 19; Cooper's Hawk, 1; Red-tailed Hawk, 5; Red-shouldered Hawk, 8; Marsh Hawk, 5; Sparrow Hawk, 11; Am. Coot, 23; Killdeer, 42; **Wilson's Snipe,** 107, Herring Gull, 1; Ring-billed Gull, 250; Mourning Dove, 32; Barred Owl, 2; Belted Kingfisher, 10; Yellow-shafted Flicker, 33; Pileated Woodpecker, 4; Red-bellied Woodpecker, 37; Red-headed Woodpecker, 3; Yellow-bellied Sapsucker, 5; Hairy Woodpecker, 2; Downy Woodpecker, 23; Red-cockaded Woodpecker, 6; Eastern Phoebe, 8; Blue Jay, 61; Am. Crow, 66; Carolina Chickadee, 63; Tufted Titmouse, 36; White-breasted Nuthatch, 4; Brown-headed Nuthatch, 3; Brown Creeper, 3; House Wren, 1; Winter Wren, 8; Bewick's Wren, 3; Carolina Wren, 42; Mockingbird, 28; Brown Thrasher, 13; Am. Robin, 57; Hermit Thrush, 6; Eastern Bluebird, 58; Golden-crowned Kinglet, 9; Ruby-crowned Kinglet, 11; Water Pipit, 22; Cedar Waxwing, 69; Loggerhead Shrike, 28; Common Starling, 48,240; Myrtle Warbler, 63; Pine Warbler, 2; House Sparrow, 39; Eastern Meadowlark, 59; Red-winged Blackbird, 23,974; Rusty Blackbird, 71; Brewer's Blackbird, 9; Purple Grackle, 4232; Brown-headed Cowbird, 3320; Cardinal, 99; Purple Finch, 3; Am. Goldfinch, 35; Eastern Towhee, 20; Savannah Sparrow, 3; Grasshopper Sparrow, 1; Leconte's Sparrow, 4; Slate-colored Junco, 105; Chipping Sparrow, 11; Field Sparrow, 37; White-throated Sparrow, 164; Fox Sparrow, 42; Swamp Sparrow, 7; Song Sparrow, 16. **Total,** 80 species; about 82,299 individuals.—Ambrose Daigre, G. Dale Hamilton, Horace H. Jeter (compiler).

**320. Bismarck, N. Dak.** (7½-mile radius centering on the North Dakota State Capitol Building, including the Northern Great Plains Experiment Station at Mandan, Missouri River bottomland, and adjoining uplands; deciduous bottomland 30%, mixed conifers and hardwoods at Experiment Station and tree nursery 25%, bottomland fields and meadows 5%, upland fields and prairies 25%, farmsteads and feed-lots 5%, weed fields 5%, urban 5%).—Dec. 29; 8:30 a.m. to 5:30 p.m. Partly cloudy; temp. 14° to 21°; wind NW-NE, 3-10 m.p.h.; ground covered with 7-10-in. crusted snow; all water frozen except small areas in current of river. Eleven observers (7 in 2 parties in a.m., 10 in 3 parties in p.m.). Total party-hours, 18 (12 on foot, 6 by car); total party-miles, 122 (8 on foot, 114 by car). Rough-legged Hawk, 4; Prairie Falcon, 2; Sharp-tailed Grouse, 17; European Partridge, 12; Ring-necked Pheasant, 261; Horned Owl, 2; Hairy Woodpecker, 6; Downy Woodpecker, 12; Horned Lark, 39; Blue Jay, 4; Am. Magpie, 17; Black-capped Chickadee, 45; White-breasted Nuthatch, 4; Am. Robin, 8; Townsend's Solitaire, 1; Bohemian Waxwing, 2; Cedar Waxwing, 17; Gray Shrike, 3; Common Starling, 450 (est.); House Sparrow, 550 (est.); Red-winged Blackbird, 46; Purple Finch, 6; Pine Grosbeak, 1; Pine Siskin, 29; Am. Goldfinch, 48; Slate-colored

Junco, 15; Am. Tree Sparrow, 50; Snow Bunting, 45. **Total,** 28 species; about 1696 individuals. (Seen in area on Dec. 24: Short-eared Owl, 6.)—R. L. Bagwell, B. K. Harris, Ed Hibbard, Hazel Hiemstra, Bill McKean, Jr., H. R. Morgan, R. N. Randall (compiler), Margaret Rose, C. F. Simmons, Betty Stephens, D. B. Vogtman.

**321. Des Lacs National Wildlife Refuge, Kenmare, N. Dak.** (same as 1950; open upland fields 50%, wooded coulees and lake shore 45%, marsh 5%).—Dec. 23; 8:30 a.m. to 5:30 p.m. Clear; temp. −10° to 3°; wind SW to W to NW, 15 m.p.h.; ground covered with 5-in. snow. Seven observers in 2 parties. Total party-hours, 17 (5 on foot, 10 by jeep, 2 by car); total party-miles, 142 (10 on foot, 132 by car and jeeps). Mallard, 70; Sharp-tailed Grouse, 66; European Partridge, 8; Snowy Owl, 5; Saw-whet Owl, 1; Horned Lark, 251; Am. Magpie, 31; Black-capped Chickadee, 5; Bohemian Waxwing, 62; Common Starling, 30; House Sparrow, 311; Lapland Longspur, 3; Snow Bunting, 239. **Total,** 13 species; 1082 individuals.—George Bodmer, Roy Carlson, Ann Gammell (compiler), Robert Gammell, Robert Gross, Howard Huenecke, Ruth Pederson.

**322. Lower Souris National Wildlife Refuge, Upham, N. Dak.** (area same as last year; marsh 33%, meadows 33%, wooded river bottom 34%).—Dec. 27; 8:30 a.m. to 5 p.m. Overcast; temp. −12° to 0°; wind SE, 8-10 m.p.h.; ground covered with 4½ inches snow. Three observers in 1 party. Total party-hours, 7½ (6 on foot, 1½ by car); total party-miles, 40 (10 on foot, 30 by car). Sharp-tailed Grouse, 5; Ring-necked Pheasant, 16; Snowy Owl, 1; Hairy Woodpecker, 4; Downy Woodpecker, 1; Am. Magpie, 4; Black-capped Chickadee, 14; White-breasted Nuthatch, 1; Brown Creeper, 1; House Sparrow, 304; Red-winged Blackbird, 1; Common Redpoll, 12; Snow Bunting, 152. **Total,** 13 species; 516 individuals. (Seen in area Dec. 25: Am. Robin, 1.)—Donald V. Gray (compiler), Dorothy Gray, Merrill C. Hammond.

**323. Pembina Hills, N. Dak.** (an area with Walhalla on north edge of 15-mile circle and Mountain on south edge, most time spent in Hallson and Leyden areas near the center of the area; pasture 15%, plowed land 40%, deciduous timber and brush 40%, marsh and rivers 3%, towns 2%).—Dec. 29; 9 a.m. to 4:45 p.m. Partly cloudy; temp. 5° to 17°; wind SW, 10 m.p.h.; ground covered with 5-in. snow; all water frozen except an occasional spring. One observer. Total hours, 7 (3 on foot, 4 by car); total miles, 50 (2 on foot, 48 by car). Ruffed Grouse, 1; Horned Owl, 1; Short-eared Owl, 2; Hairy Woodpecker, 7; Downy Woodpecker, 2; Blue Jay, 7; Am. Magpie, 2; Black-capped Chickadee, 1; Am. Robin, 1; Common Starling, 5; House Sparrow, 53; Pine Grosbeak, 6; redpoll [sp.], 8; Snow Bunting, 2. **Total,** 14 species; 98 individuals.—Edwin O. Bry, Jr.

**324. Armour, S. Dak.** (a shelterbelt 6 rods by 160 rods, willow-bordered slough, a lake shore and a second shelterbelt a total area forming an ellipse 4 by 12 mi.; prairie 60%, shelterbelts 35%, town 5%).—Dec. 30; 8 a.m. to 4:30 p.m. Temp. 0° to 10°; wind 1-7 m.p.h.; snow 12-in., drifts 3 to 4 ft. Two observers in 1 party. Total party-hours, 8; total party-miles, 21 (3 on foot, 18 by car). Rough-legged Hawk, 4; Greater Prairie Chicken, 1; Ring-necked Pheasant, 85; Screech Owl, 1; Horned Owl, 1; Horned Lark, 28; Am. Crow, 16; Common Starling, 4; House Sparrow, 60; Western Meadowlark, 4; Brewer's Blackbird, 1; Am. Goldfinch, 16; Slate-colored Junco, 8; Lapland Longspur, 3. **Total,** 14 species; 232 individuals.—Chas P. Crutchett, Clifford Fiscus, Jr.

**325. Canton, S. Dak.** (area same as last year).—Dec. 29; 10 a.m. to 5 p.m. Clear to partly cloudy; temp. 32° to 39°; wind variable, 1-5 m.p.h.; about 14-in. snow; water frozen. Two observers in 1 party. Total party-hours, 9 (1 on foot, 8 by car); total party-miles, 75 (1 on foot, 74 by car). Rough-legged Hawk, 3; Ring-necked Pheasant, 36; Yellow-shafted Flicker, 1; Hairy Woodpecker, 3; Downy Woodpecker, 4; Horned Lark, 38; Am. Crow, 6; Black-capped Chickadee, 15; White-breasted Nuthatch, 2; Red-breasted Nuthatch, 2; Brown Creeper, 3; Common Starling, 67; House Sparrow, 73; Cardinal, 5; Slate-colored Junco, 58; Am. Tree Sparrow, 5. **Total,** 16 species; 321 individuals.—W. B. Mallory and Avery Mallory.

**326. Hot Springs, S. Dak.** (Black Hills area—rough pine-covered hills along streams fed by hot springs).—Dec. 30; 10 a.m. to 5:30 p.m. Temp. 45°; wind 8-12 m.p.h.; 2-in. snow on ground. Two observers in 1 party. Total party-hours, 7½ (on foot); total party-miles, 5 (on foot). Mallard, 10; Belted Kingfisher, 4; Yellow-shafted Flicker, 3; Hairy Woodpecker, 4; Downy Woodpecker, 7; Am. Magpie, 15; Black-capped Chickadee, 8; Am. Robin, 10; Townsend's Solitaire, 7; Evening Grosbeak, 12; Slate-colored Junco, 10; Oregon Junco (Pink-sided), 4. **Total,** 12 species; 94 individuals.—Mr. and Mrs. H. R. Woodward.

**327. Huron (Beadle Co.), S. Dak.** (Huron and S and E to about 3 mi.; mainly the same area covered in 1950; 50% town and 50% open fields and woodlands).—Dec. 28; 9 a.m. to 5:30 p.m. Fair, scattered clouds; temp. 10° to 26°; wind W, 1-7 m.p.h.; 4-8-in. snow. Fifteen observers in 3 parties. Total party-hours, 10 (6 on foot, 4 by car); total party-miles, 46 (6 on foot, 40 by car). Swainson's Hawk, 2; Marsh Hawk, 1; Ring-necked Pheasant, 78; Barn Owl, 1; Horned Owl, 1; Snowy Owl, 1; Short-eared Owl, 1; Hairy Woodpecker, 3; Downy Woodpecker, 6; Horned Lark, 3; Blue Jay, 1; Am. Crow, 6; Black-capped Chickadee, 11; White-breasted Nuthatch, 9; Red-breasted Nuthatch, 7; Brown Creeper, 3; Common Starling, 74; House Sparrow, 200; Western Meadowlark, 1; Cardinal, 6; Pine Siskin, 55; Am. Goldfinch, 18; Slate-colored Junco, 11; Am. Tree Sparrow, 226; Snow Bunting, 11. **Total,**

25 species; 734 individuals.—Martha, Betty, Dorothy, Marilyn, Bob and David Van Epps, Mike Flanagan, Dr. and Mrs. H. Ketelle, Mary Aberdeen Ketelle, Mrs. O. E. Wright, Dr. and Mrs. S. W. Keck, J. W. Johnson, Claude A. Van Epps (compiler, Huron Bird Club).

328. **Jefferson, S. Dak.** (6-mile radius including Missouri River and Big Sioux River, McCook Lake).—Dec. 23; 10 a.m. to 4 p.m. Temp. −5° to +4°; wind NW, 6-10 m.p.h.; all water frozen for some time except few holes in river. One observer. Total hours, 6 (3 on foot, 3 by car); total miles, 34 (4 on foot, 30 by car). Mallard, 1000; Rough-legged Hawk, 2; Ring-necked Pheasant, 1; Horned Owl, 1; Yellow-shafted Flicker, 3; Red-bellied Woodpecker, 1; Hairy Woodpecker, 5; Downy Woodpecker, 12; Horned Lark, 300; Am. Crow, 2; Black-capped Chickadee, 25; White-breasted Nuthatch, 10; Brown Creeper, 6; Common Starling, 1; House Sparrow, 100; Western Meadowlark, 3; Cardinal, 5; Am. Goldfinch, 1; Slate-colored Junco, 80; Am. Tree Sparrow, 400; Lapland Longspur, 200. **Total,** 21 species; 2158 individuals. This is a small count due to the low temperature and snow.—W. R. Felton, Jr.

329. **Lacreek National Wildlife Refuge, Martin (Bennett Co.), S. Dak.** (same route as last year; marsh and reservoir 45%, meadow 45%, willow thickets 10%).—Dec. 26; 8 a.m. to 3:30 p.m. Partly overcast at start, clearing in early p.m.; temp. 7° to 17°; wind W, 4 m.p.h.; about 9-in. crusted snow and numerous deep drifts; pools frozen over but channels below spillways open. Three observers together. Total party-hours, 7½ (5 on foot, 2½ by car); total party-miles, 21 (4 on foot, 17 by car). Mallard, 8065 (8000±500, 65); Am. Golden-eye, 16; Am. Merganser, 6; Rough-legged Hawk, 7; Golden Eagle, 2; Bald Eagle, 1; Marsh Hawk, 2; Sharp-tailed Grouse, 54; Ring-necked Pheasant, 548; Horned Owl, 2; Downy Woodpecker, 3; Horned Lark, 121; Am. Magpie, 2; Am. Crow, 5; Black-capped Chickadee, 3; Am. Goldfinch, 43 (35±5, 8); Am. Tree Sparrow, 100 (75±10, 25); Lapland Longspur, 27 (25±2, 2). **Total,** 18 species; about 9007 individuals.—Forrest W. Brooks, William W. Ireland, Kenneth Krumm.

330. **Pierre, S. Dak.** (10-mile radius centering on State Capitol grounds, and including mouth of Bad River and Farm Island; timbered river bottom 45%, river breaks 35%, cropland 10%, town suburbs 8%, lake 2%).—Dec. 30; 9:30 a.m. to 5:30 p.m. Overcast; temp. 30° to 15°; wind calm to 15-20 m.p.h.; 26-in. crusted snow; all water frozen except part of Capitol Lake. Three observers in 3 parties. Total party-hours, 24 (23 on foot, 1 by car); total party-miles, 50 (30 on foot, 20 by car). Canada Goose, 100; Mallard, 400; Gadwall, 1; Wood Duck, 3; Am. Golden-eye, 25; Am. Merganser, 1; Rough-legged Hawk, 3; Greater Prairie Chicken, 4; Sharp-tailed Grouse, 852; Ring-necked Pheasant, 62; Horned Owl, 5; Yellow-shafted Flicker, 7; Hairy Woodpecker, 3; Downy Woodpecker, 1; Am. Magpie, 32; Black-capped Chickadee, 35; Am. Robin, 118; Cedar Waxwing, 77; Common Starling, 18; House Sparrow, 35; Cardinal, 5. **Total,** 21 species; 1787 individuals.—Raymond Hart, John W. Leete, Donald H. Reese.

331. **Sioux Falls, S. Dak.** (same area as last year; deciduous wooded valley 75%, brushy drainage ditch and adjacent highways 15%, town, park and cemetery 5%, farmland 5%).—Dec. 30; 9 a.m. to 5 p.m. Clear; temp. 28° to 34°; wind 8-10 m.p.h.; ground covered with approximately 6-in. crusted snow; clear; all fresh water frozen except parts of Big Sioux River. Twenty-five observers in 7 parties. Total party-hours, 30 (12 on foot, 18 by car); total party-miles, 92 (15 on foot, 77 by car). Mallard, 11; Blue-winged Teal, 3 [no details—Ed.]; Rough-legged Hawk, 3; Marsh Hawk, 1; Sparrow Hawk, 1; Ring-necked Pheasant, 208; Mourning Dove, 1; Screech Owl, 2; Horned Owl, 6; Belted Kingfisher, 2; Yellow-shafted Flicker, 17; Hairy Woodpecker, 24; Downy Woodpecker, 50; Horned Lark, 95; Blue Jay, 10; Am. Crow, 70; Black-capped Chickadee, 318; White-breasted Nuthatch, 50; Red-breasted Nuthatch, 16; Brown Creeper, 15; Brown Thrasher, 1; Loggerhead Shrike, 9; Common Starling, 254; House Sparrow, many; Western Meadowlark, 1; Rusty Blackbird, 3; Purple Grackle (Bronzed), 1; Cardinal, 36; Purple Finch, 41; Pine Siskin, 71; Am. Goldfinch, 108; Slate-colored Junco, 165; Am. Tree Sparrow, 110; White-crowned Sparrow, 1. **Total,** 33 species; 1704 individuals.—Mr. and Mrs. H. F. Chapman, Mrs. John Donahoe, Mr. and Mrs. Melvin Wheeler, Mr. and Mrs. Roy E. Moore, Dr. and Mrs. S. A. Keller, George L. Goebel, Mr. and Mrs. J. S. Findley, Mr. and Mrs. Mark Wilson, Mr. and Mrs. W. A. Behringer, Mr. and Mrs. C. H. Rogge, Janet Rogge, Glen Merrill, Stephan Sugrue, David Wilson, Ronald Vosacek, Alan Hudelson, Tom Albert, Bill Goebel, Pete Eide, Homer Thurston.

332. **Waubay National Wildlife Refuge, Waubay, S. Dak.** (7-mile radius from refuge headquarters).—Dec. 29; 7:30 a.m. to 5:30 p.m. Clear; temp. 20° to 30°; no wind. Three observers in 1 party. Total party-hours, 10; total party-miles, 79 (4 on foot, 75 by car). Canada Goose, 50; Mallard, 11; Ring-necked Pheasant, 32; Hairy Woodpecker, 1; Downy Woodpecker, 4; Horned Lark, 49; Black-capped Chickadee, 7; White-breasted Nuthatch, 2; House Sparrow, 90; Am. Goldfinch, 60; Lapland Longspur, 1; Snow Bunting, 127. **Total,** 12 species; 434 individuals.—Lee Arnold, William Egert, E. J. Fromelt.

333. **Wilmot, S. Dak.** (from Wilmot 7½ miles east to Big Stone Lake, 1 mile north and back to Wilmot; then 7 miles west of town to foothills; deciduous woods along lake 8%, farm woodlots 5%, creek bottom hayland 10%, upland fields and prairie 77%).—Dec. 24; 9 a.m. to 5 p.m. Clear to partly cloudy; temp. −1° to 14°; wind S to W, 2-10 m.p.h.; ground covered with 5-in. crusted snow; a few open

water areas along small creek. One observer. Total hours, 7 (5 on foot, 2 by car); total miles, 26 (5 on foot, 21 by car). Ring-necked Pheasant, 85; Horned Owl, 2; Short-eared Owl, 1; Hairy Woodpecker, 2; Downy Woodpecker, 14; Horned Lark, 29; Am. Crow, 5; Black-capped Chickadee, 15; White-breasted Nuthatch, 10; Brown Creeper, 5; Common Starling, 13; House Sparrow, no count; Rusty Blackbird, 13; Slate-colored Junco, 3; Lapland Longspur, 40; Snow Bunting, 20. **Total,** 16 species; 254 individuals. (Seen in area Dec. 25: European Partridge, 5.)—Bruce K. Harris.

334. **Vermillion, S. Dak.** (a radius of 3 miles east, south and west of town; woodlands 80%, open fields 10%, pasture lands 10%).—Dec. 30; 10 a.m. to 5:30 p.m. Temp. 32° to 40°; wind calm to 25 m.p.h.; 5-in. snow. One observer. Total hours, 7½ (4 on foot, 3½ by car); total miles, 24 (4 on foot, 20 by car). Yellow-shafted Flicker, 5; Hairy Woodpecker, 5; Downy Woodpecker, 10; Am. Crow, 2; Black-capped Chickadee, 18; White-breasted Nuthatch, 1; Brown Creeper, 6; Cedar Waxwing, 2; Common Starling, 1; House Sparrow, 85; Cardinal, 4; Am. Tree Sparrow, 8. **Total,** 12 species; 147 individuals.—Adeline Silgenberg.

335. **Beatrice, Nebr.** (7-mile radius centering on Court St., including Blue River banks, small creeks, roadside thickets, hillsides, farm ponds; roadside thickets 60%, pastures, parks, cemeteries 25%, creeks 10%, town suburbs 5%).—Dec. 30; 7:30 a.m. to 2:30 p.m. Clear, cloudy; temp. 25° to 40°; wind SE, 3-8 m.p.h.; 2-4-in. crusted snow; still water frozen. Six observers in 3 parties. Total party-hours, 18 (13½ on foot, 4½ by car); total party-miles, 35 (12 on foot, 23 by car). Goshawk, 1; Cooper's Hawk, 2; Marsh Hawk, 3; Sparrow Hawk, 2; Bob-white, 1; Ring-necked Pheasant, 8; Yellow-shafted Flicker, 3; Red-shafted Flicker, 2; Red-bellied Woodpecker, 3; Red-headed Woodpecker, 3; Hairy Woodpecker, 16; Downy Woodpecker, 6; Blue Jay, 2; Am. Crow, 66; Black-capped Chickadee, 110; Tufted Titmouse, 4; White-breasted Nuthatch, 7; Brown Creeper, 11; Am. Robin, 40; Cedar Waxwing, 48; Common Starling, 23; Gray Shrike, 1; House Sparrow, 181; Western Meadowlark, 25; Cardinal, 36; Pine Grosbeak, 2; Red Crossbill, 2; Vesper Sparrow, 15; Slate-colored Junco, 12; Am. Tree Sparrow, 175; Chipping Sparrow, 1 [no details—Ed.]; Harris's Sparrow, 92; White-crowned Sparrow, 13; Fox Sparrow, 5; Song Sparrow, 3. **Total,** 35 species; 924 individuals.—Vera Anderson (compiler), Marie Baier, Paul Baier, John Ramming, Nellie Ramming, Mary Sturmer.

336. **Blue Springs, Nebr.** (7-mile radius; cemetery 20%, wooded area along Blue River 50%, roadsides 20%, canyon of cedar trees 10%).—Dec. 29; 8:30 a.m. to 4:30 p.m. Overcast to clear; temp. 26° to 40°; wind 5 m.p.h.; ground covered with 3-5-in. snow. One observer. Total hours, 7 (5 on foot, 2 by car); total miles, 14 (4 on foot, 10 by car). Cooper's Hawk, 2; Rough-legged Hawk, 1; Marsh Hawk, 2; Sparrow Hawk, 1; Bob-white, 8; Horned Owl, 1; Yellow-shafted Flicker, 5; Red-bellied Woodpecker, 8; Hairy Woodpecker, 2; Downy Woodpecker, 8; Blue Jay, 4; Am. Crow, 13; Black-capped Chickadee, 28; Tufted Titmouse, 8; White-breasted Nuthatch, 2; Brown Creeper, 2; Am. Robin, 11; Common Starling, 5; House Sparrow, 55; Cardinal, 13; Pine Siskin, 3; Am. Goldfinch, 25; Slate-colored Junco, 58; Am. Tree Sparrow, 70; Harris's Sparrow, 48; White-crowned Sparrow, 1; Song Sparrow, 4. **Total,** 27 species; 388 individuals. (Seen in area Dec. 24: 4 Purple Finches.)—Florence Patton.

337. **Crete, Nebr.** (same as 1948 and subsequent years).—Dec. 24; 8 a.m. to 4:30 p.m. Overcast; temp. 2° to 15°; wind SSE to S, 5-15 m.p.h.; ground covered with 6-in. snow; all ponds frozen. Three observers in 1 party. Total party-hours, 8½ (4 on foot, 4½ by car); total party-miles, 80 (10 on foot, 70 by car). Cooper's Hawk, 1; Rough-legged Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 1; Ring-necked Pheasant, 7; Mourning Dove, 1; Horned Owl, 1; Yellow-shafted Flicker, 1; Red-bellied Woodpecker, 1; Downy Woodpecker, 3; Horned Lark, 23; Blue Jay, 3; Am. Crow, 130; Black-capped Chickadee, 27; Brown Creeper, 3; Common Starling, 7; House Sparrow, 55; Western Meadowlark, 2; Cardinal, 14; Spotted Towhee, 1; Slate-colored Junco, 14; Am. Tree Sparrow, 152. **Total,** 22 species; 449 individuals.—H. E. Baumgarten, J. L. C. Rapp, W. F. Rapp, Jr. (compiler).

338. **Fairbury (Jefferson Co.), Nebr.** (same as 1950).—Dec. 26; 8:30 a.m. to 4 p.m. Cloudy to clear; temp. 20° to 30°; wind SW, 5 m.p.h.; ground and all stillwater frozen; snow light cover to small drifts. Three observers in 1-3 parties. Total party-hours, 22½ (5 on foot, 17½ by car); total party-miles, 222 (15 on foot, 207 by car). Hawk (sp.), 1; Rough-legged Hawk, 4; Marsh Hawk, 4; Sparrow Hawk, 1 ♂; Ring-necked Pheasant, 2; Yellow-shafted Flicker, 2; Red-bellied Woodpecker, 3; Hairy Woodpecker, 11; Am. Crow, 15; Black-capped Chickadee, 17; Am. Robin, 1; Gray Shrike, 2; Common Starling, 153; House Sparrow, 200; Western Meadowlark, 51; Cardinal, 18; Slate-colored Junco, 26; Am. Tree Sparrow, 451; Harris's Sparrow, 45. **Total,** 19 species; 1007 individuals.—David O. Kassing, Edith Force Kassing (compiler), Mary Sturmer (Beatrice Audubon Society).

339. **Grand Island, Nebr.** (area same as in 1950; deciduous 45%, pine and deciduous 5%, open fields, hedgerows and open country 50%).—Dec. 30; 8 a.m. to 5 p.m. Clear; temp. 30° to 43°; wind SSW, 1-7 m.p.h.; ground covered with snow, fresh water frozen in a.m., melting in p.m. Four observers in 1 party. Total party-hours, 9 (4 on foot, 5 by car); total party-miles, 85 (4 on foot, 81 by car). Rough-legged Hawk, 3; Marsh Hawk, 7; Pigeon Hawk, 1; Sparrow Hawk, 4; Bob-white, 1; Ring-necked Pheasant, 19; Belted Kingfisher, 3; Yellow-shafted Flicker, 3; Red-shafted Flicker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 6; Horned Lark, 110; Am. Crow, 25; Black-capped Chickadee, 49; Red-breasted Nuthatch, 2; Brown Creeper, 13; Am. Robin, 2;

Golden-crowned Kinglet, 11; Common Starling, 71; House Sparrow, 81; Western Meadowlark, 28; Cardinal, 3; Purple Finch, 3; Am. Goldfinch, 4; Slate-colored Junco, 59; Am. Tree Sparrow, 10; Harris's Sparrow, 2; Song Sparrow, 1. **Total,** 28 species; 523 individuals.—Verneil E. Griffin, Mrs. George Houser, G. K. Larson, Floyd Urbach.

340. **Hastings, Nebr.** (same area as last year).—Dec. 27; 8:15 a.m. to 5 p.m. Clear; temp. 14° to 32°; wind S, 8-12 m.p.h; ground covered with 2-4 in. snow. Twelve observers in 4 parties. Total party-hours, 18 (8 on foot, 10 by car); total party-miles, 120 (20 on foot, 100 by car). Mallard, 12; Rough-legged Hawk, 1; Marsh Hawk, 3; Bob-white, 13; Ring-necked Pheasant, 6; Horned Owl, 5; Belted Kingfisher, 1; Yellow-shafted Flicker, 3; Red-shafted Flicker, 2; Red-bellied Woodpecker, 2; Hairy Woodpecker, 5; Downy Woodpecker, 12; Horned Lark, 130; Am. Crow, 15; Black-capped Chickadee, 40; White-breasted Nuthatch, 3; Red-breasted Nuthatch, 1; Brown Creeper, 2; Golden-crowned Kinglet, 5; Common Starling, 40; House Sparrow, 150; Cardinal, 10; Am. Goldfinch, 6; Slate-colored Junco, 50; Am. Tree Sparrow, 112; Harris's Sparrow, 10; Song Sparrow, 5; Lapland Longspur, 56. **Total,** 28 species; 700 individuals. (One Spotted Towhee seen during the period at a feeding station.)—Mr. and Mrs. George Anderson, W. E. Eigsti, David Eigsti, Mrs. A. H. Jones, Mr. and Mrs. A. M. Jones, Calvin Kline, Vera Maunder, Jack Osborne, Mr. and Mrs. Harold Snyder (Brooking Bird Club).

341. **Lincoln (City Parks), Nebr.** (same area as last year except Epworth Park and Capital Beach were added).—Dec. 30; 8 a.m. to 5 p.m. Cloudy and foggy to clearing with broken clouds; temp. 28° to 43°; wind NE to SE to E, 3-7 m.p.h.; ground covered 4-6-in. snow; some drifts 1 to 2 ft. deep; creeks partially frozen but water running. Eleven observers in 4 parties. Total party-hours, 18 (14 on foot, 4 by car); total party-miles, 50 (15 on foot, 35 by car). Great Blue Heron, 1; Sharp-shinned Hawk, 2; Red-tailed Hawk, 1; Rough-legged Hawk, 1; Marsh Hawk, 3; Sparrow Hawk, 1; Horned Owl, 2; Long-eared Owl, 2; Belted Kingfisher, 2; Yellow-shafted Flicker, 4; Red-bellied Woodpecker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 17; Blue Jay, 13; Am. Crow, 322; Black-capped Chickadee, 75; White-breasted Nuthatch, 6; Red-breasted Nuthatch, 12; Brown Creeper, 53; Brown Thrasher, 1; Am. Robin, 4; Cedar Waxwing, 1; Common Starling, 40; House Sparrow, 147; Brewer's Blackbird, 1; Cardinal, 29; Purple Finch, 3; Pine Siskin, 3; Am. Goldfinch, 64; Slate-colored Junco, 205; Am. Tree Sparrow, 125; Harris's Sparrow, 13. **Total,** 32 species; 1156 individuals.—Mrs. W. A. Flemming, Mrs. W. P. Irwin, Mrs. O. E. Jerner, Mrs. L. N. Mills, L. M. Moos (compiler), Harry Mosgrove, C. G. Pritchard, Harold Whitmus, Mrs. Harold Whitmus, Don Williams, Bertha Winter.

342. **Lincoln (rural), Nebr.** (intersection Cotner Blvd. and Adams Street Road, by Agronomy Farm shelterbelt, through Havelock Fairview Cemetery and adjacent field shelterbelt; then continuing east to Steven's Creek bridge and north from there along Steven's Creek on Kenny farm to Rock Island railroad bridge and return to road bridge; thence to Copple farm south of Holdrege Street Road; then to Johnson woodlot, open fields and hedgerows; returned to cemetery and field windbreak and back to starting point; grassy roadsides bordered by native trees, shrubs and farmstead windbreaks 10%, stream, cemetery and mixed deciduous-coniferous field shelterbelt 10%, woodland (30% grazed) 60%, open fields and hedgerows 20%).—Dec. 30; 7:45 a.m. to 5:40 p.m. Foggy and overcast until 9, scattered clouds thereafter; temp. 28° to 43°; wind NE to SE to E, 3-7 m.p.h.; Steven's Creek frozen but open and flowing in places; snow about 6-in. in protected places, some fields blown clear, drifts several feet deep. Seven observers in 2 parties. Total party-hours, 37 (30 on foot, 7 by car); total party-miles, 32 (12 on foot, 20 by car). Mallard, 1; Cooper's Hawk, 1; Red-tailed Hawk, 2; Marsh Hawk, 3; Pigeon Hawk, 3 [no details—Ed.]; Ring-necked Pheasant, 5; Horned Owl, 5; Short-eared Owl, 1; Yellow-shafted Flicker, 15; Red-shafted Flicker, 1; Red-bellied Woodpecker, 8; Hairy Woodpecker, 6; Downy Woodpecker, 22; Horned Lark, 16 (Prairie, 2; Northern, 14); Blue Jay, 1; Am. Crow, 36; Black-capped Chickadee, 34; White-breasted Nuthatch, 5; Red-breasted Nuthatch, 1; Brown Creeper, 2; Golden-crowned Kinglet, 1; Cedar Waxwing, 1; Common Starling, 76; House Sparrow, 75; Western Meadowlark, 16; Red-winged Blackbird, 30; Cardinal, 27; Common Redpoll, 5; Am. Goldfinch, 77; towhee (sp.), 1; Slate-colored Junco, 122; Am. Tree Sparrow, 198; Harris's Sparrow, 13; Song Sparrow, 12. **Total,** 35 species; 822 individuals.—Henry E. Baumgarten, Adrian C. Fox, Mary Louise Hanson, Alice P. Jensen, George A. Spidel, Grace Thomas, Don Williams (Audubon Naturalists' Club and University Place Bird Club).

343. **Nebraska National Forest, Bessey Division (Thomas Co.), Nebr.** (same area as last year).—Dec. 24; 8:30 a.m. to 5 p.m. Cloudy; temp. 15° to 19°; wind E, 5-10 m.p.h.; 8-in. snow on ground. One observer. Total hours, 8½ (on foot); total miles, 8 (on foot). Sharp-tailed Grouse, 30; Bob-white, 15; Ring-necked Pheasant, 3; Red-shafted Flicker, 2; Hairy Woodpecker, 3; Am. Magpie, 8; Am. Crow, 40; Black-capped Chickadee, 7; Brown Creeper, 1; Am. Robin, 1; Townsend's Solitaire, 4; Golden-crowned Kinglet, 5; Cardinal, 2; Pine Siskin, 4; Am. Goldfinch, 19; Slate-colored Junco, 14; Am. Tree Sparrow, 1; Song Sparrow, 1. **Total,** 18 species; 160 individuals. (Seen in area Dec. 26: Golden Eagle, 1; Cassin's Finch, 5.)—Carl E. Smith.

344. **Omaha, Nebr.** (area same as last year, except in addition: Riverview Park, S and E of town; vicinity of suburb Irvington—W of town; and Westlawn Cemetery; mixed deciduous and coniferous planting and natural stream 3%, farmland—corn stubble, fallow and weedy fields, fence-rows and

woodlots 50%, deciduous forest and bottomland 37%, coniferous woodlot 1%, urban and suburban Omaha 9%).—Dec. 30; 8:30 a.m. to 4:30 p.m. Partly cloudy; temp. 39° to 23°; wind NE, 5 m.p.h.; ground covered with 6-10-in. snow; Missouri River open; all lakes frozen, streams open. Seven observers in 4 parties. Total party-hours, 14 (10 on foot, 4 by car); total party-miles, 130 (30 on foot, 100 by car). Mallard, 1; White-winged Scoter, 1; Am. Merganser, 2; Sharp-shinned Hawk, 1; Red-tailed Hawk, 7; Red-shouldered Hawk, 2; Rough-legged Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 1; Screech Owl, 1; Horned Owl, 2; Yellow-shafted Flicker, 22; Red-bellied Woodpecker, 8; Hairy Woodpecker, 7; Downy Woodpecker, 19; Blue Jay, 8; Am. Crow, 56; Black-capped Chickadee, 128; Tufted Titmouse, 10; White-breasted Nuthatch, 42; Red-breasted Nuthatch, 8; Brown Creeper, 10; Eastern Bluebird, 26; Golden-crowned Kinglet, 4; Common Starling, 111; House Sparrow, 209; Western Meadowlark, 1; Red-winged Blackbird, 1; Cardinal, 56; Am. Goldfinch, 40; Slate-colored Junco, 135; Am. Tree Sparrow, 4; Harris's Sparrow, 1; Song Sparrow, 24. **Total,** 34 species; 950 individuals.—Joseph T. Armstrong (compiler), Mary Ellsworth, William Ferguson, Mary Ferguson, Richmond Galley, Dr. R. Allyn Moser, Jerry Smith.

**345. Scottsbluff, Nebr.** (same as last year, with addition of the Brashear Ranch; deciduous woodland 40%, mixed evergreen and deciduous woodland 30%, roadside 30%).—Dec. 28; 8 a.m. to 4 p.m. Clear; temp. 41° to 57°; wind WNW to W, 18-45 m.p.h.; ponds frozen, river open. Two observers in 1 party. Total party-hours, 7 (5 on foot, 2 by car); total party-miles, 35 (5 on foot, 30 by car). Marsh Hawk, 1; Ring-necked Pheasant, 5; Belted Kingfisher, 1; Red-shafted Flicker, 8; Hairy Woodpecker, 1; Horned Lark, 100; Am. Magpie, 8; Black-capped Chickadee, 35; Am. Robin, 12; Townsend's Solitaire, 3; Common Starling, 70; House Sparrow, 100; Am. Goldfinch, 3; Oregon Junco (Pink-sided), 6; Am. Tree Sparrow, 25. **Total,** 15 species; 378 individuals.—Mrs. J. W. Brashear, Mary Ann Wake.

**346. Baldwin, Kans.** (7½-mile radius centering 2 miles north of junction of U. S. Highways 50 and 59, and including Lone Star Lake, Sand Pits, and Craig's cedar woods; open farmland 30%, town suburbs 20%, wooded creeks and wasteland 25%, coniferous farm woodlot 20%, lake shore 5%).—Dec. 26; 8 a.m. to 5 p.m. Cloudy; temp. 13° to 26°; wind NW, 15 m.p.h.; creeks partly frozen, Lone Star Lake 10% open. Nine observers in 3 parties. Total party-hours, 20½ (16 on foot, 4½ by car); total party-miles, 107 (8 on foot, 99 by car). Am. Golden-eye, 2; **Hooded Merganser,** 1; Sharp-shinned Hawk, 1; Red-tailed Hawk, 24; Harlan's Hawk, 3; Rough-legged Hawk, 1; Marsh Hawk, 20; Sparrow Hawk, 4; Bob-white, 28; Mourning Dove, 8; Horned Owl, 2; Long-eared Owl, 2; Yellow-shafted Flicker, 19; Red-shafted Flicker, 4; Red-bellied Woodpecker, 18; Red-headed Woodpecker, 2; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 7; Downy Woodpecker, 17; Horned Lark, 1; Blue Jay, 39; Am. Crow, 86; Black-capped Chickadee, 83; Tufted Titmouse, 41; White-breasted Nuthatch, 3; Red-breasted Nuthatch, 1; Brown Creeper, 2; Winter Wren, 1; Carolina Wren, 9; Mockingbird, 2; Am. Robin, 11; Eastern Bluebird, 3; Golden-crowned Kinglet, 5; Loggerhead Shrike, 1; Common Starling, 215; House Sparrow, 308; meadowlark (sp.), 34; Cardinal, 84; Am. Goldfinch, 24; Spotted Towhee, 2; Slate-colored Junco, 304; **Am. Tree Sparrow,** 1054; Harris's Sparrow, 29; White-crowned Sparrow, 1; **White-throated Sparrow,** 1; Song Sparrow, 4. **Total,** 46 species; 2513 individuals. (Seen in area during count period: Mallard, 13; Screech Owl, 1; Brown Thrasher, 1; Purple Finch, 3; Field Sparrow, 1.)—Clara Beach, Amelia Betts, Mr. and Mrs. Geo. Boicourt, Mr. and Mrs. Ivan L. Boyd, Katherine Kelley, R. F. Miller, Grace Preston (Baldwin Bird Club).

**347. Fall River Dam and Reservoir (Greenwood Co.), Kans.** (Fall River Reservoir, woods along Fall River north of lake, and surrounding grassland and fields; lake and river 35%, deciduous woodlots 40%, cultivated fields 15%, grassland 10%).—Dec. 28; 7 a.m. to 5 p.m. Partly cloudy to clear; temp. 30° to 50°; wind S, 24-30 m.p.h., diminishing in p.m.; lake frozen except for small hole, river partially open; scattered traces of snow on ground. Two observers in 1 party. Total party-hours, 10 (7 on foot, 3 in car); total party-miles, 80 (9 on foot, 71 by car). Canada Goose, 32; Mallard, 417 (400 est., 17); Am. Merganser, 2; Red-tailed Hawk, 8; Red-shouldered Hawk, 4; Rough-legged Hawk, 6; Marsh Hawk 17; Sparrow Hawk, 1; Bob-white, 40; Ring-billed Gull, 1; Horned Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 19; Red-shafted Flicker, 3; Red-bellied Woodpecker, 14; Hairy Woodpecker, 1; Downy Woodpecker, 5; Horned Lark, 40; Blue Jay, 1; Am. Crow, 48; Black-capped Chickadee, 27; Tufted Titmouse, 9; White-breasted Nuthatch, 4; Brown Creeper, 3; Am. Robin, 6; Eastern Bluebird, 6; Golden-crowned Kinglet, 17; Loggerhead Shrike, 2; Common Starling, 207; House Sparrow, 21; Eastern and Western Meadowlark, 29; Red-winged Blackbird, 356; Brewer's Blackbird, 600 (est.); Cardinal, 26; Slate-colored Junco, 98; Am. Tree Sparrow, 863; Harris's Sparrow, 76. **Total,** 37 species; about 3011 individuals. (An estimated 2800 ducks, probably Mallards, were seen flying from the Reservoir before daylight. Reason for small number of species and of certain individuals unknown; possibly due to destruction of a large amount of natural cover by summer floods.)—Harry L. Hobson, Ray Loren Keller.

**348. Halstead, Kans.** (6½-mile radius centering ½-mile W of Halstead; area same as last year but including Riverside Park, and SW to Pete's Refuge; wooded creeks 58%, hedgerows 12%, town suburbs 14%, open farmland 9%, ungrazed upland 5%, park 2%).—Dec. 29; 7:45 a.m. to 5:30 p.m. Clear; temp. 28° to 56°; no wind; frost; ground frozen, surface thaw in p.m.; creeks almost iced shut. Five observers in 2 parties. Total party-hours, 14½ (10½ on foot, 4 by car); total party-miles, 41½ (6¼ on foot,

35¼ by car). Canada Goose, 1; Snow Goose, 2; Mallard, 142; unidentified hawks, 6; Rough-legged Hawk, 6; Marsh Hawk, 17; Sparrow Hawk, 3; Bob-white, 3; **Inca Dove,** 1 [Present daily at feeding station since Nov. 10 and closely studied by many observers, some of whom were previously familiar with the species in Texas or Arizona; full description furnished—Ed.]; Horned Owl, 3; Belted Kingfisher, 3; Yellow-shafted Flicker, 2; Red-shafted Flicker, 1; Red-bellied Woodpecker, 6; Downy Woodpecker, 8; Horned Lark, 6; Blue Jay, 10; Am. Crow, 184; Black-capped Chickadee, 50; Tufted Titmouse, 6; Brown Creeper, 2; Am. Robin, 34; Golden-crowned Kinglet, 7; Cedar Waxwing, 16; Loggerhead Shrike, 1; Common Starling, 32; House Sparrow, 111; Eastern Meadowlark, 1; Western Meadowlark, 80; Red-winged Blackbird, 48; Rusty Blackbird, 94; Purple Grackle, 1; Cardinal, 44; Am. Goldfinch, 5; Spotted Towhee, 3; Slate-colored Junco, 128; **Am. Tree Sparrow,** 1320; **Harris's Sparrow,** 495; Song Sparrow, 5. **Total,** 38 species; about 2887 individuals. (Seen during the period: Red-breasted Nuthatch, Carolina Wren, Winter Wren.)—Mrs. J. M. Cathcart, Marie Dettweiler, Ruth Rose, Alma Ruth, Edna Ruth (compiler).

349. **Hays, Kans.** (college campus including creek, 20 acres; 12 miles by car to Cedar Bluffs on Saline River; wooded campus and creek 30%, pasture 20%, 12-mile highway 10%, wooded limestone cliffs and river 40%).—Dec. 26; 7:30 a.m. to 5:30 p.m. Cloudy, a.m., clear, p.m.; temp. 20° to 31°; wind N, slight; ground clear except light snow on N face of cliff. Six observers in 1 party. Total party-hours, 10 (9 on foot, 1 by car); total party-miles, 17 (5 on foot, 12 by car). Rough-legged Hawk, 5; Ferruginous Hawk, 1; Golden Eagle, 3; Bald Eagle, 1; Marsh Hawk, 9; Prairie Falcon, 2; Sparrow Hawk, 1; Ring-necked Pheasant, 5; Horned Owl, 3; Belted Kingfisher, 1; Yellow-shafted Flicker, 2; Red-shafted Flicker, 8; Downy Woodpecker, 4; Am. Magpie, 6; Am. Crow, 7; Black-capped Chickadee, 12; Brown Creeper, 2; Am. Robin, 200; Eastern Bluebird, 12; Townsend's Solitaire, 3; Golden-crowned Kinglet, 11; Cedar Waxwing, 2; Common Starling, 6; House Sparrow, 25; Western Meadowlark, 50; Vesper Sparrow, 3; Slate-colored Junco, 29; Am. Tree Sparrow, 3; White-crowned Sparrow, 2; Fox Sparrow, 2. **Total,** 30 species; 420 individuals.—S. V. Dalton, George Danielson, Harold Elder, Peter Felton, James McNeill, L. D. Wooster (compiler).

350. **Lawrence, Kans.** (same area as last year; deciduous farm woodlots 50%, pastures 25%, weed areas 10%, waterfront 15%).—Dec. 23; 7:30 a.m. to 5 p.m. Partly cloudy; temp. 12° to 31°; wind N, 8-12 m.p.h.; 2-4-in. snow; lake frozen, rivers 10% open. Ten observers in 5 parties. Total party-hours, 40 (24 on foot, 16 by car); total party-miles, 202 (27 on foot, 175 by car). Canada Goose, 3; Mallard, 424; teal (sp.), 3; Am. Merganser, 16; Sharp-shinned Hawk, 2; Cooper's Hawk, 4; Red-tailed Hawk, 118; Harlan's Hawk, 7; Rough-legged Hawk, 1; Marsh Hawk, 101; Sparrow Hawk, 12; Bob-white, 103; Wilson's Snipe, 1; Mourning Dove, 7; Barn Owl, 1; Screech Owl, 1; Horned Owl, 17; Barred Owl, 2; Short-eared Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 84; Red-shafted Flicker, 1; Red-bellied Woodpecker, 41; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 7; Downy Woodpecker, 61; Horned Lark, 343; Blue Jay, 59; Am. Crow, 519; Black-capped Chickadee, 280; Tufted Titmouse, 56; Brown Creeper, 8; Carolina Wren, 6; Am. Robin, 170; Eastern Bluebird, 56; Golden-crowned Kinglet, 15; Loggerhead Shrike, 4; Common Starling, 582; House Sparrow, 268; meadowlark (sp.), 239; Red-winged Blackbird, 74; Cardinal, 296; Purple Finch, 1; Pine Siskin, 9; Am. Goldfinch, 77; Eastern Towhee, 2; Spotted Towhee, 14; Slate-colored Junco, 869; Am. Tree Sparrow, 1561; Field Sparrow, 1; Harris's Sparrow, 55; White-crowned Sparrow, 21; Swamp Sparrow, 20; Song Sparrow, 87; Lapland Longspur, 608. **Total,** 55 species; about 7322 individuals—Maurice F. Baker, James W. Bee, Bert S. Chewning (compiler), Helen M. Chewning, James S. Findley, Henry S. Fitch, Richard W. Fredrickson, Paul J. Spangler, William B. Stallcup, H. B. Tordoff.

351. **Mound City, Kans.** (7½-mile radius centered 3 miles north of Mound City and including Little Sugar Creek and hills west of town, Boicourt Lake, and woods, lanes and hedgerows between; deciduous wooded areas 40%, hedgerows 25%, lake 5%, wooded suburban 30%).—Dec. 29; 6:30 a.m. to 4 p.m. Partly cloudy to clear; temp. 27° to 56°; wind SW, 8 m.p.h.; ground frozen, partly thawed, lakes and ponds frozen. Four observers in 3 parties. Total party-hours, 16½ (14½ on foot, 2 by car); total party-miles, 44½ (7½ on foot, 37 by car). Mallard, 115; Pintail, 2; Cooper's Hawk, 1; Red-tailed Hawk, 8; Harlan's Hawk, 2; Rough-legged Hawk, 3; Ferruginous Hawk, 2; Marsh Hawk, 9; Sparrow Hawk, 2; Bob-white, 7; Mourning Dove, 2; Horned Owl, 2; Barred Owl, 3; Yellow-shafted Flicker, 17; **Pileated Woodpecker,** 2; Red-bellied Woodpecker, 4; Red-headed Woodpecker, 11; Hairy Woodpecker, 5; Downy Woodpecker, 14; Blue Jay, 17; Am. Crow, 37; Black-capped Chickadee, 29; Tufted Titmouse, 25; White-breasted Nuthatch, 2; Brown Creeper, 2; Carolina Wren, 14; Mockingbird, 1; Am. Robin, 1; Eastern Bluebird, 17; Loggerhead Shrike, 7; Common Starling, 12; House Sparrow, 31; meadowlark (sp.), 22; Red-winged Blackbird, 146; Cardinal, 51; Am. Goldfinch, 34; Vesper Sparrow, 1; Slate-colored Junco, 78; Oregon Junco, 1; Am. Tree Sparrow, 171; Harris's Sparrow, 33; Fox Sparrow, 2; Lincoln's Sparrow, 6; Song Sparrow, 6. **Total,** 44 species; 957 individuals.—Eunice Dingus (compiler), Wilson J. Dingus, M. Ellen Dingus, J. O. Dingus.

352. **Topeka, Kans.** (same as last year; deciduous woodlots 50%, evergreens 15%, pastures 15%, lake shore 10%, weed areas 10%).—Dec. 30; 7:30 a.m. to 5:30 p.m. Clear to overcast; temp. 29° to 38°; wind calm, 0 m.p.h.; ground frozen; traces snow which melted during day. Thirty observers in 7 parties. Total party-hours, 121 (80 on foot 41 by car); total party-miles, 118 (48 on foot, 70 by car). Pied-billed Grebe, 1; Mallard, 2500 (2000±300, 200);

Black Duck, 5; Pintail, 2; Am. Merganser, 6; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 5; Rough-legged Hawk, 2; Bald Eagle, 1; Marsh Hawk, 7; Sparrow Hawk, 1; Bob-white, 25; Am. Coot, 5; Mourning Dove, 3; Horned Owl, 3; Barred Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 6; Red-bellied Woodpecker, 8; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 2; Downy Woodpecker, 6; Horned Lark, 4; Blue Jay, 9; Am. Crow, 17; Black-capped Chickadee, 8; Tufted Titmouse, 5; Red-breasted Nuthatch, 4; Brown Creeper, 1; Carolina Wren, 2; Mockingbird, 1; Am. Robin, 16; Eastern Bluebird, 2; Townsend's Solitaire, 2; Golden-crowned Kinglet, 5; Cedar Waxwing, 1; Common Starling, 3000 (est.); House Sparrow, 77; Eastern Meadowlark, 16; Purple Grackle, 1; Brown-headed Cowbird, 6; Cardinal, 33; Purple Finch, 11; Am. Goldfinch, 23; Slate-colored Junco, 28; Am. Tree Sparrow, 64; Field Sparrow, 1; Harris's Sparrow, 12; Song Sparrow, 8; Lapland Longspur, 40. **Total,** 51 species; about 5991 individuals.—Mr. and Mrs. Henry Blake, L. B. Carson (compiler), Mr. and Mrs. Bert Chewning, L. P. Dittemore, Eva Donaldson, Roberta Foote, Mr. and Mrs. Chas. Franklin, Ruwal Freese, John Hiebert, Grace Holcombe, Mr. and Mrs. Carl Holmes, David and Denise, Mrs. Walter A. Huxman, Pearl Maus, Phil Menninger, Mrs. Nyle Miller and David, Clyde Morris, T. W. Nelson, David Pantle, Orville A. Rice, Mr. and Mrs. Harold Williams and Ruth, Douglas Wilmore (Topeka Audubon Society).

**353. Wichita, Kans.** (Santa Fe lake, woods along Whitewater River and Whitewater Creek, Maple Grove and Highland Park Cemeteries, Oak and Sims Park; lake 10%, deciduous woodlots 55%, slough and marshland 5%, open fields and brushland 30%). —Dec. 24; 7 a.m. to 5:15 p.m. Overcast to cloudy to overcast; temp. 16° to 38°; wind E to SE, 12-18 m.p.h.; all water frozen except for small hole in Santa Fe lake; scattered traces of snow on ground. Two observers in 1 party. Total party-hours, 10¼ (8¼ on foot, 2 by car); total party-miles, 74 (14 on foot, 60 by car). Canada Goose, 14; Mallard, 506; Green-winged Teal, 2; Sharp-shinned Hawk, 1; Cooper's Hawk, 3; Red-tailed Hawk, 7; Rough-legged Hawk, 1; Marsh Hawk, 15; Sparrow Hawk, 4; Bob-white, 2; Mourning Dove, 7; Horned Owl, 2; Barred Owl, 1; Long-eared Owl, 1; Yellow-shafted Flicker, 30; Red-bellied Woodpecker, 19; Hairy Woodpecker, 5; Downy Woodpecker, 21; Blue Jay, 7; Am. Crow, 179; Black-capped Chickadee, 171; Tufted Titmouse, 42; White-breasted Nuthatch, 2; Red-breasted Nuthatch, 2; Brown Creeper, 11; Winter Wren, 1; Carolina Wren, 3; Am. Robin, 321; Townsend's Solitaire, 1; Golden-crowned Kinglet, 27; Loggerhead Shrike, 1; Common Starling, 316; House Sparrow, 66; Eastern and Western Meadowlark, 12; Cardinal, 44; Am. Goldfinch, 18; Spotted Towhee, 7; Slate-colored Junco, 179; Am. Tree Sparrow, 297; Harris's Sparrow, 186; Song Sparrow, 1. **Total,** 41 species, 2535 individuals. (Seen in area Dec. 23: Belted Kingfisher, 1; Brewer's Blackbird, 6.)—Harry L. Hobson (compiler), Ray Loren Keller.

**354. Norman, Okla.** (7½-mile radius centering 5 miles E of Norman on Highway 9; same area as last year).—Dec. 23; 6:45 a.m. to 4:45 p.m. Clear; temp. 28°; wind NE, to 8-10 m.p.h. in early p.m.; ground bare; all fresh water frozen except parts of streams. Ten observers in 4 parties. Total party-hours, 31 (4 on foot, 27 by car); total party-miles, 80 (4 on foot, 76 by car). Great Blue Heron, 1; Canada Goose, 2; Mallard, 100; Sharp-shinned Hawk, 1; Cooper's Hawk, 5; Red-tailed Hawk, 6; Red-shouldered Hawk, 2; Rough-legged Hawk, 3; Marsh Hawk, 12; Sparrow Hawk, 6; Bob-white, 56; Mourning Dove, 5; Screech Owl, 1 (recently killed); Horned Owl, 1; Barred Owl, 1; Yellow-shafted Flicker, 17; Red-shafted Flicker, 4; unidentified flickers, 54; Red-bellied Woodpecker, 16; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 10; Downy Woodpecker, 17; Horned Lark, 102; Blue Jay, 54; Am. Crow, 292; Carolina Chickadee, 158; Tufted Titmouse, 55; Winter Wren, 1; Bewick's Wren, 1; Carolina Wren, 7; Mockingbird, 1; Brown Thrasher, 1; Am. Robin, 147; Eastern Bluebird, 74; Cedar Waxwing, 8; Loggerhead Shrike, 6; Common Starling, 808; Myrtle Warbler, 1; House Sparrow, 223; Eastern Meadowlark, 8; Western Meadowlark, 2; unidentified meadowlarks, 184; Red-winged Blackbird, 23,309 (est.); Brown-headed Cowbird, 6; Cardinal, 115; Purple Finch, 11; Pine Siskin, 1; Am. Goldfinch, 426; Spotted Towhee, 16; Savannah Sparrow, 2; Vesper Sparrow, 8; Lark Sparrow, 1; Slate-colored Junco, 228; Am. Tree Sparrow, 4; Chipping Sparrow, 3; Field Sparrow, 13; Harris's Sparrow, 105; White-crowned Sparrow, 5; White-throated Sparrow, 11; Fox Sparrow, 5; Song Sparrow, 37. **Total,** 60 species; about 26,762 individuals. (Seen in area Dec. 30: Belted Kingfisher, 1.)—Howard P. Clemens, Mr. and Mrs. Harold Cooksey, Chris Johnson, Glenn Jones, Mrs. Ralph W. Kelting, Thomas Mueller, Gerbert Rubel, Ronnie Roberts, Mrs. Paul Updegraff (Cleveland County Bird Club).

**355. Oklahoma City, Okla.** (same area as in past 2 years; Lakes Hefner and Overholser, Canadian River, Black Jack Oak woodlots; large lakes 50%, small creeks and wooded ponds 15%, oak woodlands 20%, open fields 10%, coniferous areas 5%).—Dec. 23; 7 a.m. to 5:30 p.m. Partly cloudy; temp. 30° to 40°; wind S to SW, 10-20 m.p.h.; all fresh water frozen except parts of Hefner and Overholser. Eight observers in 4 parties. Total party-hours, 40 (22 on foot, 18 by car); total party-miles, 217 (27 on foot, 190 by car). Pied-billed Grebe, 1; **White Pelican,** 1 (P.G., B.P.); Great Blue Heron, 8; Canada Goose, 17; Mallard, 8000 (est.); Gadwall, 10; Am. Widgeon, 160; Pintail, 225 (est.); Green-winged Teal, 15; Redhead, 16; Ring-necked Duck, 5; Canvas-back, 32; Lesser Scaup, 1; Am. Golden-eye, 2; Am. Merganser, 2500 (est.); Sharp-shinned Hawk, 1; Cooper's Hawk, 4; Red-tailed Hawk, 10; Rough-legged Hawk, 2; Marsh Hawk, 22; Pigeon Hawk, 1; Sparrow Hawk, 6; Bob-white, 23; **Sandhill Crane,** 1 (extended neck observed in open flight by K.F., F.H.); Am. Coot, 3; Killdeer, 4; Wilson's Snipe, 1;

Herring Gull, 27; Ring-billed Gull, 24; Road-runner, 1 (reported by game warden); Barn Owl, 1; Horned Owl, 2; Barred Owl, 1; Short-eared Owl, 1; Belted Kingfisher, 5; Yellow-shafted Flicker, 16; Red-shafted Flicker, 10; Red-bellied Woodpecker, 4; Red-headed Woodpecker, 2; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 3; Downy Woodpecker, 15; Horned Lark, 5; Blue Jay, 36; Am. Crow, 4000; Carolina Chickadee, 51; Tufted Titmouse, 8; White-breasted Nuthatch, 1; Brown Creeper, 18; Bewick's Wren, 7; Carolina Wren, 1; Mockingbird, 4; Am. Robin, 1000 (est.); Eastern Bluebird, 3; Golden-crowned Kinglet, 4; Ruby-crowned Kinglet, 1; Water Pipit, 2; Cedar Waxwing, 18; Loggerhead Shrike, 6; Common Starling, 1250 (est.); Myrtle Warbler, 18; House Sparrow, 1000 (est.); Eastern Meadowlark, 82; Red-winged Blackbird, 1250 (est.); Brewer's Blackbird, 20; Brown-headed Cowbird, 25; Cardinal, 21; Am. Goldfinch, 73; Spotted Towhee, 4; Savannah Sparrow, 4; Slate-colored Junco, 200 (est.); Oregon Junco, 12 (including 2 Pink-sided—P.G., W.L., B.P., R.F.); Am. Tree Sparrow, 48; Chipping Sparrow, 3; Field Sparrow, 4; Harris's Sparrow, 150; White-crowned Sparrow, 3; Fox Sparrow, 1; Song Sparrow, 3. **Total,** 79 species (1 additional subspecies); about 16,920 individuals.—Kent Frates, Rodman Frates, Phil Griffing, Fritz Hunziker, Bruce Kennedy, Wendell Long, Bob Price, Charles Walbert (Auchincloss Bird Club).

**356. Salt Plains National Wildlife Refuge, Jet, Okla.** (dam spillway and Salt Fork River, east side of lake north to fish hatchery, and vicinity of Refuge). —Dec. 29; 7 a.m. to 5:30 p.m. Partly cloudy; temp. 42° to 70°; wind SSW, 0-5 m.p.h. Eight observers in 3 parties. Total party-hours, 24 (16 on foot, 8 by car); total party-miles, 50 (6 on foot, 44 by car). Great Blue Heron, 200; Canada Goose, 15,000 (est.); White-fronted Goose, 8000 (est.); Blue Goose, 1; Mallard, 25,000 (est.); Black Duck, 1; Gadwall, 1000 (est.); Am. Widgeon, 2; Pintail, 2000 (est.); Green-winged Teal, 2000 (est.); Redhead, 100; Ring-necked Duck, 75; Canvas-back, 50; Lesser Scaup, 35; Am. Golden-eye, 20; Buffle-head, 20; Hooded Merganser, 50; Am. Merganser, 500; Broad-winged Hawk, 1 [no details—Ed.]; Sharp-shinned Hawk, 2; Red-tailed Hawk, 2; Golden Eagle, 10; Bald Eagle, 30; Marsh Hawk, 30; Sparrow Hawk, 1; Bob-white, 25; Killdeer, 9; Wilson's Snipe, 3; Baird's Sandpiper, 8 [no details—Ed.]; Herring Gull, 5; Ring-billed Gull, 2000 (est.); Horned Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 10; Red-shafted Flicker, 6; Red-bellied Woodpecker, 4; Hairy Woodpecker, 5; Downy Woodpecker, 5; Am. Crow, 2000 (est.); Black-capped Chickadee, 250; Tufted Titmouse, 50; Brown Creeper, 2; Winter Wren, 1; Bewick's Wren, 1; Carolina Wren, 3; Am. Robin, 3; Eastern Bluebird, 2; Golden-crowned Kinglet, 3; Common Starling, 10; House Sparrow, 25; Eastern and Western Meadowlarks, 35; Red-winged Blackbird, 100; Brown-headed Cowbird, 1; Cardinal, 200; Am. Goldfinch, 40; Eastern Towhee, 3; Spotted Towhee, 25; Slate-colored Junco, 30; Oregon Junco, 22; Am. Tree Sparrow, 200; Field Sparrow, 2; Harris's Sparrow, 500+; White-crowned Sparrow, 8; White-throated Sparrow, 3; Song Sparrow, 150. **Total,** 65 species; 59,881 individuals.—Mr. and Mrs. Joe C. Creager, Mr. and Mrs. Marshall, Addie Fromholz, Florel Helema, Mr. and Mrs. John B. Van den Akker.

**357. Stillwater, Okla.** (same area as in previous years).—Dec. 23; 6:30 a.m. to 5:45 p.m. Clear; temp. 28° to 38°; wind N, 8-12 m.p.h.; ponds and protected parts of lakes frozen. Seven observers in 2 parties. Total party-hours, 12 (9 on foot, 3 by car); total party-miles, 75 (11 on foot, 64 by car). Great Blue Heron, 4; Black-crowned Night Heron, 1; Canada Goose, 40; Mallard, 415; Pintail, 3; Hooded Merganser, 1; Am. Merganser, 20; unidentified ducks, 100; Cooper's Hawk, 1; Red-tailed Hawk, 26; Marsh Hawk, 31; Prairie Falcon, 1; Pigeon Hawk, 2; Sparrow Hawk, 2; Bob-white, 102; Wilson's Snipe, 2; Ring-billed Gull, 8; Mourning Dove, 20; Barn Owl, 1; Screech Owl, 1; Horned Owl, 1; Short-eared Owl, 1; Belted Kingfisher, 5; Yellow-shafted Flicker, 17; Red-shafted Flicker, 1; Red-bellied Woodpecker, 12; Red-headed Woodpecker, 8; Hairy Woodpecker, 1; Downy Woodpecker, 13; Horned Lark, 2; Blue Jay, 28; Am. Crow, 207; Carolina Chickadee, 51; Tufted Titmouse, 23; White-breasted Nuthatch, 3; Brown Creeper, 2; Bewick's Wren, 1; Carolina Wren, 2; Am. Robin, 207; Eastern Bluebird, 16; Mountain Bluebird, 2; Loggerhead Shrike, 4; Common Starling, 35; Myrtle Warbler, 1; House Sparrow, 216; Eastern Meadowlark, 6; Western Meadowlark, 7; meadowlark (sp.), 31; Red-winged Blackbird, 55; Rusty Blackbird, 86; Brewer's Blackbird, 250; unidentified blackbirds, 160; Cardinal, 27; Purple Finch, 178; Am. Goldfinch, 182; Spotted Towhee, 7; Leconte's Sparrow, 2; Slate-colored Junco, 120; Am. Tree Sparrow, 241; Field Sparrow, 5; Harris's Sparrow, 131; Song Sparrow, 12; Lapland Longspur, 32; Chestnut-collared Longspur, 50. **Total,** 61 species; about 3222 individuals.—A. M. Baumgartner, F. M. Baumgartner, K. H. Baumgartner, T. A. Baumgartner, R. Dermer, G. C. Merrifield, M. S. Morris (Oklahoma A. & M. College).

**358. Tulsa, Okla.** (Mohawk Park—same area as covered since 1948 count; city reservoirs, recreation lake, and lagoon 25%, hackberry, elm, oak, flood-plains 40%, areas devoted to park use 20%, cultivated fields and hay meadows 15%).—Dec. 30; 8 a.m. to 5 p.m. Overcast; temp. 54° to 77°; wind NNW to SSW, 8-20 m.p.h.; no snow or ice. Thirty-nine observers in 7 parties. Total party-hours, 56 (54 on foot, 2 by car); total party-miles, 60 (52 on foot, 8 by car). Pied-billed Grebe, 1; Great Blue Heron, 6; Mallard, 1288 (1100 est., 188); Black Duck, 2; Pintail, 19; Green-winged Teal, 75; Blue-winged Teal, 2; Ring-necked Duck, 1; Canvas-back, 2; Lesser Scaup, 37; Am. Golden-eye, 25; Buffle-head, 11; Am. Merganser, 612; Cooper's Hawk, 2; Red-tailed Hawk, 10; Red-shouldered Hawk, 11; Marsh Hawk, 7; Sparrow Hawk, 1; Bob-white, 71; Am. Coot, 9; Herring Gull, 1; Ring-billed Gull, 235; Mourning Dove, 4; Horned Owl, 2; Barred Owl, 13; Belted

Kingfisher, 8; Yellow-shafted Flicker, 113; Red-shafted Flicker, 4; Pileated Woodpecker, 10; Red-bellied Woodpecker, 73; Red-headed Woodpecker, 197; Yellow-bellied Sapsucker, 8; Hairy Woodpecker, 6; Downy Woodpecker, 64; Horned Lark, 1; Blue Jay, 173; Am. Crow, 130; chickadee (sp.), 227; Tufted Titmouse, 187; White-breasted Nuthatch, 42; Brown Creeper, 11; Carolina Wren, 47; Mockingbird, 4; Am. Robin, 238; Hermit Thrush, 1; Eastern Bluebird, 64; Golden-crowned Kinglet, 2; Cedar Waxwing, 15; Loggerhead Shrike, 3; Common Starling, 110; House Sparrow, 41; Eastern Meadowlark, 56; Red-winged Blackbird, 841; Rusty Blackbird, 10; Brewer's Blackbird, 40; mixed blackbird flocks, 13,700 (est.); Purple Grackle, 136; Brown-headed Cowbird, 21; Cardinal, 120; Purple Finch, 19; Am. Goldfinch, 88; Eastern Towhee, 1; Spotted Towhee, 2; Vesper Sparrow, 11; Slate-colored Junco, 442; Am. Tree Sparrow, 29; Field Sparrow, 56; Harris's Sparrow, 77; White-crowned Sparrow, 2; White-throated Sparrow, 107; Fox Sparrow, 25; Lincoln's Sparrow, 2; Swamp Sparrow, 11; Song Sparrow, 107. **Total,** 73 species; about 20,129 individuals. (Seen in area Dec. 26: Redhead, 2; Dec. 28: Golden Eagle, 1; Winter Wren, 1.)—Mrs. Donald Acord, Miss Barbara Brent, Mr. and Mrs. A. L. Caldwell, H. D. Chase, C. L. Criswell, Hugh Davis, Blaine Davis, John Dickerson, Mr. and Mrs. Ernest Esst, Bob Funston, Polly Ganssle, John Getgood, Mrs. Roy Ginter, Mr. and Mrs. Tom Jessee, Mrs. Myron Kiess, Mr. and Mrs. Chas. Kosier, Orrin W. Letson (compiler), Ethel S. Letson, Carol Mason, Mrs. A. M. Mery, John G. Newell, James L. Norman, Mrs. David North, Harvey T. Phillips, Mr. and Mrs. Bruce Reynolds, Mrs. Boyd Robinson, Bess Smith, Mr. and Mrs. H. C. Spore, Mr. and Mrs. G. E. Tenney, Mr. and Mrs. S. H. Watkins, John Watkins.

**359. Big Bend National Park, Tex.** (same area as last year).—Dec. 30; 7 a.m. to 7 p.m. Clear; temp. 55° to 85°; wind W to SW, 5-25 m.p.h. Two observers in 1 party. Total party-hours, 9 (8 on foot, 1 by car); total party-miles, 37 (12 on foot, 25 by car). Scaled Quail, 26; Road-runner, 1; Red-shafted Flicker, 2; Acorn Woodpecker, 11; Ladder-backed Woodpecker, 6; Say's Phoebe, 3; Arizona Jay, 47; Common Raven, 2; Black-crested Titmouse, 37; Verdin, 7; Common Bushtit, 14; White-breasted Nuthatch, 5; Bewick's Wren, 3; Cactus Wren, 18; Canyon Wren, 5; Rock Wren, 3; Curve-billed Thrasher, 1; Crissal Thrasher, 1; Olive-backed Thrush, 1 [no details—Ed.]; Western Bluebird, 15; Townsend's Solitaire, 8; Blue-gray Gnatcatcher, 3; Ruby-crowned Kinglet, 3; Cedar Waxwing, 5; Loggerhead Shrike, 1; Pyrrhuloxia, 4; Evening Grosbeak, 1; House Finch, 9; Spotted Towhee, 4; Brown Towhee, 31; Rufous-crowned Sparrow, 3; Black-throated Sparrow, 21. **Total,** 32 species; about 301 individuals. (Seen in area Dec. 29: Phainopepla, 1; Gray-headed Junco [Red-backed], 1.)—Peter Koch, Capt. Karl W. Haller (compiler).

**360. Big Spring, Tex.** (same area as previous 3 years; mesquite-juniper hillsides and table land 25%, artificial lake 20%, rocky canyon with mesquite and juniper 20%, cultivated fields 5%, mesquite thickets and long grass in stream valleys 10%, open park 20%).—Dec. 23; 7:30 a.m. to 5:30 p.m. Clear; temp. 42° to 68°; wind NW, 10-20 m.p.h.; ground dry; water open. Four observers in 1 and 2 parties. Total party-hours, 11½ (8 on foot, 3½ by car); total party-miles, 21 (5 on foot, 16 by car). Great Blue Heron, 5; Mallard, 1; Pintail, 1; Canvas-back, 6; Am. Golden-eye, 1; Buffle-head, 8; Am. Merganser, 3; Red-tailed Hawk, 4; Pigeon Hawk, 1; Bobwhite, 30; Scaled Quail, 32; Killdeer, 11; Wilson's Snipe, 9; Greater Yellow-legs, 3; Least Sandpiper, 20; Mourning Dove, 5; Yellow-shafted Flicker, 2; Red-shafted Flicker, 11; Ladder-backed Woodpecker, 4; Bewick's Wren, 10; Cactus Wren, 7; Canyon Wren, 1; Rock Wren, 1; Mockingbird, 83; Curve-billed Thrasher, 6; Sage Thrasher, 6; Am. Robin, 312 (100±20, 212); Mountain Bluebird, 165; Townsend's Solitaire, 3; Golden-crowned Kinglet, 2; Ruby-crowned Kinglet, 4; Water Pipit, 13; Loggerhead Shrike, 8; Audubon's Warbler, 2 (yellow throat seen at close range by J.E.G.); House Sparrow, 162; Western Meadowlark, 14; Brewer's Blackbird, 100 (±10); Cardinal, 62; Pyrrhuloxia, 3; House Finch, 20; Lesser Goldfinch, 1; Green-tailed Towhee, 1; Spotted Towhee, 5; Brown Towhee (Cañon), 42; Rufous-crowned Sparrow, 1; Black-throated Sparrow, 6; Oregon Junco, 64; Brewer's Sparrow, 2; Field Sparrow, 4; White-crowned Sparrow, 29; Song Sparrow, 5. **Total,** 51 species; about 1301 individuals. (Low numbers of Mourning Dove and of *fringillidae* such as goldfinches and White-crowned Sparrow may be attributed to drought-induced shortage of food.) —John E. Galley (compiler), Margret K. Galley, Frances Williams, Harold L. Williams.

**361. Burnet, Tex.** (7½-mile radius centering at intersection of State highway 29 and Park Road 4, about 8 miles west of Burnet, and including chiefly Inks State Park and surrounding area below Buchanan Dam; rocky live oak and cedar woods near water 90%, low mesquite brush or open fields 10%).—Dec. 30; 8:30 to 5:30 p.m. Mostly cloudy; temp. 60° to 82°; wind S, 3-8 m.p.h. Two observers in 1 party. Total party-hours, 8½ (7 on foot, 1½ by car); total party-miles, 58 (9 on foot, 49 by car). Pied-billed Grebe, 2; Double-crested Cormorant, 2; Great Blue Heron, 2; Gadwall, 20; Blue-winged Teal, 1; Black Vulture, 13; Am. Coot, 1150; Killdeer, 12; Ring-billed Gull, 3; Mourning Dove, 18; Belted Kingfisher, 2; Yellow-shafted Flicker, 1; Ladder-backed Woodpecker, 3; Eastern Phoebe, 1; Am. Crow, 14; Carolina Chickadee, 3; Black-crested Titmouse, 6; Bewick's Wren, 2; Long-billed Marsh Wren, 2; Cañon Wren, 1; Mockingbird, 4; Am. Robin, 75; Eastern Bluebird, 10; Ruby-crowned Kinglet, 5; Cedar Waxwing, 20; Loggerhead Shrike, 2; Myrtle Warbler, 5; House Sparrow, 30; Eastern Meadowlark, 2; Cardinal, 6; Am. Goldfinch, 2; Spotted Towhee, 9; Savannah Sparrow, 1; Vesper Sparrow, 2; Black-throated Sparrow, 7; Lark Sparrow, 49; Slate-colored Junco, 21; Field Sparrow, 4; Harris's Sparrow, 1; White-crowned Sparrow, 4;

Song Sparrow, 1. **Total,** 41 species; about 1518 individuals.—Kent Rylander, Roddy Rylander.

362. **Carrizo Springs, Tex.** (7½-mile radius centering about 5 miles east of Carrizo Springs, and including mostly Lake Espantosa (very low), and parts of Nueces River (mostly dry); dense willow and live oak creek bottoms 62%, dry mesquite brush 34%, cleared or cultivated fields 4%).—Dec. 26; 8:45 a.m. to 5:45 p.m. Cloudy, clearing by noon; temp. 55° to 75°; wind SE, 1-7 m.p.h. Two observers in 1 party. Total party-hours, 7¾ (7 on foot, ¾ by car); total party-miles, 36 (6 on foot, 30 by car). Pied-billed Grebe, 2; Gadwall, 42; Pintail, 20; Green-winged Teal, 1; Blue-winged Teal, 6; Am. Widgeon, 39; Ring-necked Duck, 16; Turkey Vulture, 1; Black Vulture, 14; Marsh Hawk, 1; Sparrow Hawk, 1; Killdeer, 7; Mourning Dove, 30; Road-runner, 3; Belted Kingfisher, 1; Golden-fronted Woodpecker, 4; Ladder-backed Woodpecker, 5; Tropical Kingbird, 2 (observed under good conditions); Eastern Phoebe, 2; White-necked Raven, 1000 (est.); Carolina Chickadee, 5; Black-crested Titmouse, 6; Verdin, 3; Carolina Wren, 4; Mockingbird, 2; Sennett's Thrasher, 1; Am. Robin, 2; Eastern Bluebird, 2; Ruby-crowned Kinglet, 5; Cedar Waxwing, 3; Loggerhead Shrike, 5; White-eyed Vireo, 2; Myrtle Warbler, 12; House Sparrow, 10; Eastern Meadowlark, 30; Brown-headed Cowbird, 39; Cardinal, 12; Pyrrhuloxia, 8; Spotted Towhee, 11; Vesper Sparrow, 3; Black-throated Sparrow, 5; Slate-colored Junco, 3; White-crowned Sparrow, 2; White-throated Sparrow, 8. **Total,** 44 species; about 1380 individuals. (Seen in area Dec. 25; Great Blue Heron, 2; Canvas-back, 5; Red-tailed Hawk, 1; Golden Eagle, 4; Yellow-bellied Sapsucker, 1; Bewick's Wren, 1; Blue-gray Gnatcatcher, 1; Texas Sparrow, 2; Song Sparrow, 1.) —Kent Rylander, Roddy Rylander.

363. **Commerce, Tex.** (same as last year).—Dec. 28; 7:20 a.m. to 5:25 p.m. Cloudy; temp. 34° to 64°; wind SSW, 8-12 m.p.h.; very dry, water in pools very low. Two observers in 1 party. Total party-hours, 10 (8 on foot, 2 by car); total party-miles, 33 (10 on foot, 23 by car). Pied-billed Grebe, 4; Great Blue Heron, 2; Blue-winged Teal, 2; Lesser Scaup, 2; Turkey Vulture, 19; Black Vulture, 5; Red-tailed Hawk, 3; Red-shouldered Hawk, 2; Marsh Hawk, 1; Bob-white, 1; Killdeer, 28; Wilson's Snipe, 3; Mourning Dove, 37; Barred Owl, 4; Belted Kingfisher, 1; Yellow-shafted Flicker, 37; Red-bellied Woodpecker, 16; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 1; Downy Woodpecker, 8; Horned Lark, 75; Blue Jay, 14; Am. Crow, 56; Carolina Chickadee, 71; Tufted Titmouse, 15; Brown Creeper, 4; Bewick's Wren, 11; Carolina Wren, 6; Mockingbird, 7; Brown Thrasher, 12; Am. Robin, 214; Hermit Thrush, 6; Eastern Bluebird, 19; Golden-crowned Kinglet, 3; Ruby-crowned Kinglet, 1; Water Pipit, 10; Cedar Waxwing, 6; Loggerhead Shrike, 13; Common Starling, 1; Solitary Vireo, 1; Myrtle Warbler, 4; House Sparrow, 20; Eastern Meadowlark, 41; Red-winged Blackbird, 20; Rusty Blackbird, 4; Purple Grackle, 3; Brown-headed Cowbird, 140; Cardinal, 109; Purple Finch, 23; Am. Goldfinch, 61; Eastern Towhee, 2; Spotted Towhee, 1; Slate-colored Junco, 294+; Field Sparrow, 31; Harris's Sparrow, 130; White-crowned Sparrow, 21; White-throated Sparrow, 143; Fox Sparrow, 25; Lincoln's Sparrow, 1; Song Sparrow, 14; Lapland Longspur, 4. **Total,** 61 species; 1815 individuals. (Seen in area Dec. 30: about 2000 Common Starlings.)—Lea Davis, Nora Selby O'Neil (compiler).

364. **Del Rio, Tex.** (same area as previous 3 years, with addition of Devil's River canyon from Devil's River station on S. P. R. R. to U. S. Highway 90; grassy park 10%, willow-sycamore grove 2%, underbrush and thickets along streams 23%, cattail and river-cane marsh 8%, inactive sand dunes and ridges 3%, irrigated farmland 7%, limestone canyons 30%, artificial lake 3%, mesquite-catclaw-cactus desert 14%).—Dec. 30; 7:30 a.m. to 6 p.m. Clear; temp. 56° to 86°; wind SE, 1-10 m.p.h.; ground dry; water open. Five observers in 2 parties. Total party-hours, 15½ (10¼ on foot, 5¼ by car); total party-miles, 29½ (9½ on foot, 20 by car). Pied-billed Grebe, 5; Double-crested Cormorant, 5; Great Blue Heron, 2; Green Heron, 1; Mallard, 2; Am. Widgeon, 3; Pintail, 30; Green-winged Teal, 12; Canvas-back, 2 (C.R.G.); Lesser Scaup, 9; Am. Golden-eye, 14; Buffle-head, 8; Turkey Vulture, 1; Black Vulture, 2; Cooper's Hawk, 1; Red-tailed Hawk, 3; Pigeon Hawk, 1; Am. Coot, 12; Killdeer, 35; Spotted Sandpiper, 12; Greater Yellow-legs, 18; Mourning Dove, 2; Inca Dove, 3; Belted Kingfisher, 4; Green Kingfisher, 3; Yellow-shafted Flicker, 2; Red-shafted Flicker, 12; Golden-fronted Woodpecker, 24; Ladder-backed Woodpecker, 2; Eastern Phoebe, 2; Black Phoebe, 2; Say's Phoebe, 1; Vermilion Flycatcher, 6; Carolina Chickadee, 1 (C.H.M.); Black-crested Titmouse, 3; Verdin, 2; House Wren, 3; Bewick's Wren, 8; Carolina Wren, 2; Long-billed Marsh Wren, 4; Canyon Wren, 2; Rock Wren, 2; Mockingbird, 9; Sage Thrasher, 1; Am. Robin, 1; Hermit Thrush, 1; Eastern Bluebird, 1; Blue-gray Gnatcatcher, 2; Golden-crowned Kinglet, 2; Ruby-crowned Kinglet, 14; Water Pipit, 4; Loggerhead Shrike, 4; Common Starling, 33; Orange-crowned Warbler, 4; Myrtle Warbler, 144; Common Yellowthroat, 4; House Sparrow, 148; meadowlark (sp.), 11; Red-winged Blackbird, 587 (550±50, 37); Brewer's Blackbird, 168; Boat-tailed Grackle, 343; Brown-headed Cowbird, 27; Cardinal, 31; Pyrrhuloxia, 9; House Finch, 4; Am. Goldfinch, 29; Lesser Goldfinch, 22; Spotted Towhee, 4; Rufous-crowned Sparrow, 2; Black-throated Sparrow, 2; Slate-colored Junco, 6 (C.R.G.); Brewer's Sparrow, 4; Field Sparrow, 7; White-crowned Sparrow, 17; Lincoln's Sparrow, 5; Song Sparrow, 13. **Total,** 76 species; about 1931 individuals. (Seen in area Dec. 29: Gadwall, 1; Redhead, 6; Am. Merganser, 1; Marsh Hawk, 2; Horned Owl, 1; Cedar Waxwing, 1; Baird's Sparrow, 9; Vesper Sparrow, 3; Chipping Sparrow, 8; Clay-colored Sparrow, 6.)—Charles R. Gaines, Lavera Gaines, John E. Galley (compiler), Margret K. Galley, Chas. H. McNeese.

**365. Denton, Tex.** (7½-mile radius centering at Cornith, Tex., including all of Lake Dallas, with mud flats at north shores and state fish hatchery and wooded area near spillway at south end, essentially same area as last year; fields and pastures 70%, deciduous woodland 20%, ponds 10%).—Dec. 30; 10 a.m. to 5:30 p.m. Partly cloudy; temp. 61° to 87°; wind SSW, 5-20 m.p.h. Three observers in 1 party. Total party-hours, 7½ (4 on foot, 3½ by car); total party-miles, 30 (8 on foot, 22 by car). Great Blue Heron, 61; Canada Goose, 64; Snow Goose, 3; Mallard, 11; Gadwall, 25; Am. Widgeon, 5; Pintail, 23; Blue-winged Teal, 2; Shoveller, 16; Redhead, 14; Canvas-back, 2; Lesser Scaup, 4; Buffle-head, 4; Turkey Vulture, 23; Black Vulture, 3; Red-tailed Hawk, 1; **Harlan's Hawk,** 1; **Ferruginous Hawk,** 1; Sparrow Hawk, 6; Am. Coot, 4; Killdeer, 3; Wilson's Snipe, 3; Herring Gull, 2; Ring-billed Gull, 3; **Franklin's Gull,** 3; **Bonaparte's Gull,** 1; Mourning Dove, 1; Belted Kingfisher, 5; Yellow-shafted Flicker, 10; Red-bellied Woodpecker, 7; Downy Woodpecker, 3; Horned Lark, 100; Blue Jay, 26; **Am. Crow,** 35; Carolina Chickadee, 15; Tufted Titmouse, 1; Carolina Wren, 1; Mockingbird, 3; Brown Thrasher, 1; Eastern Bluebird, 8; Ruby-crowned Kinglet, 2; Loggerhead Shrike, 10; Common Starling, 2; House Sparrow, 120; meadowlark (sp.), 131; Red-winged Blackbird, 169 (est.); Cardinal, 20; Am. Goldfinch, 10; Eastern Towhee, 2; Spotted Towhee, 4; Savannah Sparrow, 1; Vesper Sparrow, 2; Slate-colored Junco, 117; Oregon Junco, 2; **Chipping Sparrow,** 1; Field Sparrow, 7; Harris's Sparrow, 34; White-crowned Sparrow, 1; White-throated Sparrow, 20; Lincoln's Sparrow, 2; Song Sparrow, 7. **Total,** 61 species; about 1168 individuals.—James Boultinghouse, Wm. Larrey McCart (compiler), Wynn A. Wilson.

**366. El Paso, Tex.** (7½-mile radius centering at point on Mount Franklin; including Boy and Girl Scout Camps, Randel's Pool, El Paso Country Club area, Rio Grande levee and valley, sandhills east of town, Ascarate Lake, city parks, McKelligon's and Indian Springs Canyons; river levees and irrigated farms 25%, river bosque 11%, sandhills 11%, canyon 35%, artificial lake 12%, city parks 6%).—Dec. 27; 6:30 a.m. to 5:30 p.m. Clear; temp. 36° to 64°; wind N to ENE, 14 to 3 m.p.h.; ground dry; water open. Seventeen observers in 5 parties. Total party-hours, 37 (27 on foot, 10 by car); total party-miles, 234 (33 on foot, 201 by car). Pied-billed Grebe, 47; Great Blue Heron, 4; Green Heron, 2; Mallard, 32; Gadwall, 176; Am. Widgeon, 103; Green-winged Teal, 116; Blue-winged Teal, 1; Shoveller, 67; Buffle-head, 3; Turkey Vulture, 1; Sharp-shinned Hawk, 4; Cooper's Hawk, 4; Red-tailed Hawk, 10; Swainson's Hawk, 2; Rough-legged Hawk, 1; Golden Eagle, 1; Marsh Hawk, 10; Prairie Falcon, 1; Sparrow Hawk, 14; Scaled Quail, 151; Gambel's Quail, 29; Am. Coot, 145; Killdeer, 3; Wilson's Snipe, 2; Least Sandpiper, 87; Ring-billed Gull, 5; Mourning Dove, 29; Road-runner, 6; Burrowing Owl, 1; Belted Kingfisher, 5; Red-shafted Flicker, 60; Black Phoebe, 5; Say's Phoebe, 3; Steller's Jay, 6; Woodhouse's Jay, 5; White-necked Raven, 20; Am. Crow, 125; Verdin, 4; Bewick's Wren, 2; Rock Wren, 4; Mockingbird, 1; Curve-billed Thrasher, 1; Crissal Thrasher, 1; Am. Robin, 116; Western Bluebird, 58; Ruby-crowned Kinglet, 5; Water Pipit, 6; Cedar Waxwing, 27; Loggerhead Shrike, 21; Common Starling, 243; Audubon's Warbler, 41; House Sparrow, 6000 (est.); Western Meadowlark, 80; Yellow-headed Blackbird, 1756; Red-winged Blackbird, 1195; Brewer's Blackbird, 2529 (est.); Boat-tailed Grackle (Great-tailed), 521; Brown-headed Cowbird, 700; Pyrrhuloxia, 2; Evening Grosbeak, 12; House Finch, 557; Green-tailed Towhee, 3; Spotted Towhee, 3; Brown Towhee, 2; Savannah Sparrow, 31; Baird's Sparrow, 6; Vesper Sparrow, 2; Black-throated Sparrow, 7; Oregon Junco, 246 (including Pink-sided, 6); Gray-headed Junco, 61 (Gray-headed, 59; Red-backed, 2); Chipping Sparrow, 19; Brewer's Sparrow, 1; White-crowned Sparrow, 305; Song Sparrow, 6. **Total,** 75 species (2 additional subspecies); about 15,860 individuals. (Found dead 1 Long-eared Owl.) —Mrs. Harry R. Conway, Marguerite Wright, Harriet McGuire, Lena McBee, Mrs. J. Owen Allen, Mary Belle Keefer, Jennie Camp, Francis Camp, Jasper Wooldridge, W. W. Wimberly, Jim Wiggs, Don Hunter, Gail Grose, Rodger Delp, John Conway, Tom Conway, Maj. Gen. G. Ralph Meyer (El Paso Audubon Society).

**367. Fort Worth, Tex.** (same as last year with the addition of Peter Smith and Hyde Parks; Bell Aircraft Co).—Dec. 29; 7:20 a.m. to 6 p.m. Clear; temp. 54° to 78°; wind SW, 1-5 m.p.h.; very dry. Seventeen observers in 5 parties. Total party-hours, 31 (20 on foot, 11 by car); total party-miles, 166 (48 on foot, 118 by car). Pied-billed Grebe, 6; Great Blue Heron, 4; Mallard, 6; Gadwall, 16; Am. Widgeon, 6; Pintail, 2; Green-winged Teal, 4; Blue-winged Teal, 2; Redhead, 11; Canvas-back, 18; Lesser Scaup, 3; Buffle-head, 2; Turkey Vulture, 44; Red-tailed Hawk, 2; Pigeon Hawk, 1; Sparrow Hawk, 9; Bob-white, 26; Am. Coot, 63; Killdeer, 32; Wilson's Snipe, 15; Least Sandpiper, 14; Herring Gull, 3; Barred Owl, 2; Belted Kingfisher, 8; Yellow-shafted Flicker, 32; Red-shafted Flicker, 4; Red-bellied Woodpecker, 29; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 5; Hairy Woodpecker, 5; Downy Woodpecker, 12; Blue Jay, 68; Am. Crow, 39; Carolina Chickadee, 84; Tufted Titmouse, 44; White-breasted Nuthatch, 1; Brown Creeper, 9; Bewick's Wren, 7; Carolina Wren, 17; Mockingbird, 27; Brown Thrasher, 6; Am. Robin, 6; Hermit Thrush, 1; Eastern Bluebird, 19; Golden-crowned Kinglet, 7; Ruby-crowned Kinglet, 5; Water Pipit, 4; Loggerhead Shrike, 7; Common Starling, 4000 (est.); Black and White Warbler, 2; Myrtle Warbler, 15; House Sparrow, 5000 (est.); Eastern Meadowlark, 80; Red-winged Blackbird, 40,000 (est.); Brewer's Blackbird, 40; Purple Grackle, 180; Brown-headed Cowbird, 1350 (est.); Cardinal, 110; Purple Finch, 33; Pine Siskin, 52; Am. Goldfinch, 79; Spotted Towhee, 37; Savannah Sparrow, 6; Vesper Sparrow, 24; Slate-colored Junco, 211; Chipping Sparrow, 1; Field Sparrow, 13; Harris's Sparrow, 98;

White-crowned Sparrow, 12; White-throated Sparrow, 23; Lincoln's Sparrow, 2; Song Sparrow, 28. **Total,** 72 species; about 52,134 individuals.—Mrs. Geo. S. Adams, Mrs. Robert H. Bowman, Mrs. J. E. Casstevens, Tommy Chance, Jr., Mrs. E. E. Crowder, Sister Dorothy Anne, Florence Fischer, Wm. Larrey McCart, Mrs. S. A. Passmore, Sister St. Andrew, Mr. and Mrs. Corbett Smith, Ruie Smith, Mrs. Wade Smith, Geo. C. Sutherland, Bird Walker, Wynn Wilson (Fort Worth Audubon Society).

368. **Galveston, Tex.** (Galveston Island from east end to a point 15 miles down the island, also the adjoining mainland; bays, sandy Gulf beach, wet pastures, marshes, prairie ponds, tamarisk thickets). —Dec. 26; 8 a.m. to 4 p.m. Overcast with light shower in a.m., clear and sunny in p.m.; temp. 40° to 68°; wind NW, 5-10 m.p.h. Five observers together. Total party-hours, 8; total party-miles, 95 (6 on foot, 85 by car, 4 by boat). Common Loon, 6; Horned Grebe, 5; Eared Grebe, 3; Pied-billed Grebe, 20; White Pelican, 5; Brown Pelican, 186; Double-crested Cormorant, 232; Great Blue Heron, 18; Am. Egret, 33; Snowy Egret, 7; White-faced Ibis, 13; White Ibis, 120; Snow Goose, 65; Blue Goose, 10; Mallard, 3; Pintail, 1; Shoveller, 1; Lesser Scaup, 1; Ruddy Duck, 200; Red-breasted Merganser, 1; Cooper's Hawk, 1; Red-tailed Hawk, 1; Marsh Hawk, 25; Sparrow Hawk, 52; Clapper Rail, 11; Virginia Rail, 24 (unusually high concentration, has been seen in such numbers since Nov., usually fairly uncommon); Am. Coot, 360; Ringed Plover, 6; Killdeer, 155; Black-bellied Plover, 137; Ruddy Turnstone, 6; Wilson's Snipe, 4; Long-billed Curlew, 60; Willet, 104; Greater Yellow-legs, 6; Lesser Yellow-legs, 2; Least Sandpiper, 11; Dowitcher, 1222; Red-backed Sandpiper, 617; Semipalmated Sandpiper, 100; Western Sandpiper, 12; Sanderling, 100; Am. Avocet, 8; Herring Gull, 146; Ring-billed Gull, 3000+; Laughing Gull, 2500+; Bonaparte's Gull, 1; Gull-billed Tern, 21; Forster's Tern, 4; Royal Tern, 27; Caspian Tern, 3; Black Skimmer, 300; Mourning Dove, 42; Belted Kingfisher, 2; Yellow-shafted Flicker, 2; Red-shafted Flicker, 1; Horned Lark, 58; Mockingbird, 16; Brown Thrasher, 2; Am. Pipit, 30; Loggerhead Shrike, 35; Common Starling, 365; Myrtle Warbler, 1; House Sparrow, 30; Eastern Meadowlark, 220; Red-winged Blackbird, 1000+; Brewer's Blackbird, 1500+; Boat-tailed Grackle, 44; Brown-headed Cowbird, 2000+; Savannah Sparrow, 35; Lincoln's Sparrow, 1. **Total,** 76 species; about 14,463 individuals. —Dr. G. H. Hall, J. M. Heiser, Jr., Lawrence Tabony, George G. Williams, Steve Williams.

369. **Houston, Tex.** (lower portion of San Jacinto River from mouth to point 15 miles upstream, near Sheldon; heavy woods of pine and oak, cypress swamps, open fields, salt-water estuary, river bottom; same area as in previous years).—Dec. 23; 7 a.m. to 5:20 p.m. Fair in a.m., cloudy in p.m.; temp. 39° to 65°; wind N in a.m., shifting to SE in p.m. Twenty-three observers in 4 parties. Total party-hours, 37; total party-miles, 224 (18 on foot, 204 by car, 2 by boat). Pied-billed Grebe, 32; White Pelican, 378; Brown Pelican, 67; Double-crested Cormorant, 2; Water-turkey, 2; Great Blue Heron, 54; Am. Egret, 135; Snowy Egret, 20; Louisiana Heron, 9; Little Blue Heron, 17; Yellow-crowned Night Heron, 1; Am. Bittern, 4; Canada Goose, 4; Snow Goose, 48; Blue Goose, 225; Mallard, 2; Black Duck, 2; Gadwall, 70; Am. Widgeon, 210; Pintail, 965; Green-winged Teal, 12; Blue-winged Teal, 4; Shoveller, 5; Canvas-back, 10; Lesser Scaup, 700; Ruddy Duck, 35; Turkey Vulture, 27; Black Vulture, 89; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 23; Harlan's Hawk, 1; Swainson's Hawk, 2 (not supposed to winter north of South America, but this species has been seen here on several previous Christmas counts—E.W.M., G.G.W.); White-tailed Hawk, 1; Marsh Hawk, 34; Sparrow Hawk, 56; Bob-white, 17; Am. Coot, 3000+; Ringed Plover, 1; Killdeer, 310; Black-bellied Plover, 60; Wilson's Snipe, 11; Spotted Sandpiper, 1; Willet, 1; Greater Yellow-legs, 1; Lesser Yellow-legs, 3; Least Sandpiper, 51; Red-backed Sandpiper, 7; Semipalmated Sandpiper, 2; Western Sandpiper, 2000+; Sanderling, 5; Am. Avocet, 3; Herring Gull, 30; Ring-billed Gull, 1178; Laughing Gull, 450; Gull-billed Tern, 10; Forster's Tern, 59; Common Tern, 1; Royal Tern, 25; Caspian Tern, 8; Mourning Dove, 128; Barred Owl, 3; Belted Kingfisher, 7; Yellow-shafted Flicker, 134; Pileated Woodpecker, 8; Red-bellied Woodpecker, 13; Yellow-bellied Sapsucker, 3; Downy Woodpecker, 4; Eastern Phoebe, 22; Blue Jay, 33; Am. Crow, 57; Carolina Chickadee, 49; Tufted Titmouse, 34; Brown-headed Nuthatch, 3; Brown Creeper, 4; House Wren, 6; Winter Wren, 5; Carolina Wren, 30; Long-billed Marsh Wren, 1; Short-billed Marsh Wren, 3; Mockingbird, 99; Catbird, 2; Brown Thrasher, 18; Am. Robin, 169; Hermit Thrush, 8; Eastern Bluebird, 79; Blue-gray Gnatcatcher, 15; Golden-crowned Kinglet, 10; Ruby-crowned Kinglet, 26; Water Pipit, 288; Cedar Waxwing, 250; Loggerhead Shrike, 154; Common Starling, 1704; Solitary Vireo, 2; Orange-crowned Warbler, 5; Myrtle Warbler, 83; Pine Warbler, 6; House Sparrow, 166; Eastern Meadowlark, 306; Red-winged Blackbird, 5000+; Brewer's Blackbird, 2000+; Purple Grackle (Bronzed), 11; Brown-headed Cowbird, 3875; Cardinal, 192; Purple Finch, 21; Am. Goldfinch, 265; Eastern Towhee, 1; Savannah Sparrow, 310; Grasshopper Sparrow, 1; Leconte's Sparrow, 1; Sharp-tailed Sparrow, 4; Seaside Sparrow, 3; Vesper Sparrow, 21; Lark Sparrow, 25; Slate-colored Junco, 7; Field Sparrow, 7; White-crowned Sparrow, 3; White-throated Sparrow, 315; Fox Sparrow, 1; Lincoln's Sparrow, 54; Swamp Sparrow, 5; Song Sparrow, 21. **Total,** 123 species, about 27,827 individuals. (Seen in area Jan. 1, Audubon's Caracara, 1.)—C. E. Buehner, Nance Cunningham, H. R. Fields, W. H. Gottsch, Bill Green, Mr. and Mrs. C. W. Hamilton, J. M. Heiser, Jr., Edna W. Miner, F. A. MacMahon, Jeffrey Nichols, A. M. Pettingill, Dr. Lucille Robey, Leota Stillwell, Lawrence Tabony, Katrina Thompson, Gladys Taylor, Mrs. H. G. Taylor, Ellen Watson, George Williams, Steve Williams, Ella Wolfer, M. A. Yramategui.

**370. Laguna Atascosa National Wildlife Refuge, San Benito (Cameron Co.), Tex.** (same as last year).—Dec. 23; 5:45 a.m. to 6 p.m. Clear; temp. 51° to 77°; wind SE, calm-17 m.p.h. Thirteen observers in 6 parties. Total party-hours, 57 (26 on foot, 24 by car, 7 by boat); total party-miles, 138 (16 on foot, 80 by car, 42 by boat). Common Loon, 1; Eared Grebe, 11; Least Grebe, 1; Pied-billed Grebe, 29; White Pelican, 671; Brown Pelican, 118; Double-crested Cormorant, 2; Olivaceus Cormorant, 230; Water-turkey, 6; Great Blue Heron, 176; Am. Egret, 2; Snowy Egret, 18; Reddish Egret, 51; Louisiana Heron, 9; Little Blue Heron, 2; Black-crowned Night Heron, 31; Canada Goose, 528; White-fronted Goose, 98; Snow Goose, 452; Blue Goose, 31; Mallard, 10; Mottled Duck, 40; Gadwall, 503; Am. Widgeon, 9735 (8500±500, 735); Pintail, 112,671 (111,000±2500, 1671); Green-winged Teal, 590; Blue-winged Teal, 9; Cinnamon Teal, 1; Shoveller, 640; Redhead, 10,720 (10,000±500, 220); Ring-necked Duck, 2; Lesser Scaup, 24; Buffle-head, 33; Red-breasted Merganser, 25; Turkey Vulture, 50; Black Vulture, 142; Cooper's Hawk, 4; Red-tailed Hawk, 5; **Harlan's Hawk,** 1 (W.S.J., M.H.H.); White-tailed Hawk, 6; Harris's Hawk, 15; Marsh Hawk, 70; Osprey, 3; Audubon's Caracara, 25; Peregrine Falcon, 6; Pigeon Hawk, 1; Sparrow Hawk, 41; Bob-white, 71; Sandhill Crane, 135; Am. Coot, 147; Killdeer, 85; Black-bellied Plover, 369; Ruddy Turnstone, 13; Wilson's Snipe, 10; Long-billed Curlew, 464; Willet, 77; Greater Yellow-legs, 110; Lesser Yellow-legs, 53; Least Sandpiper, 37; Red-backed Sandpiper, 1225; Dowitcher, 641; Stilt Sandpiper, 4; Semipalmated Sandpiper, 75; Western Sandpiper, 69; Marbled Godwit, 38; Sanderling, 6; Am. Avocet, 18; Herring Gull, 65; Ring-billed Gull, 56; Laughing Gull, 126; Gull-billed Tern, 58; Forster's Tern, 32; Common Tern, 4; Royal Tern, 2; Caspian Tern, 233; Black Skimmer, 7; Mourning Dove, 114; Ground Dove, 5; White-fronted Dove, 1; Road-runner, 2; Screech Owl, 3; Horned Owl, 5; Pauraque, 5; Belted Kingfisher, 19; Green Kingfisher, 3; Golden-fronted Woodpecker, 25; Ladder-backed Woodpecker, 15; Tropical Kingbird, 5; Derby Flycatcher, 5; Crested Flycatcher, 1; Eastern Phoebe, 7; Horned Lark, 57; Green Jay, 12; Black-crested Titmouse, 5; Verdin, 13; House Wren, 46; Bewick's Wren, 25; Cactus Wren, 6; Short-billed Marsh Wren, 34; Mockingbird, 290; Sennett's Thrasher, 21; Curve-billed Thrasher, 17; Sage Thrasher, 10; Golden-crowned Kinglet, 1; Ruby-crowned Kinglet, 8; Water Pipit, 200; Sprague's Pipit, 11; Loggerhead Shrike, 73; White-eyed Vireo, 17; Orange-crowned Warbler, 14; Myrtle Warbler, 39; Yellow-throated Warbler, 1; Common Yellow-throat, 8; House Sparrow, 22; Eastern Meadowlark, 288; Red-winged Blackbird, 21,111 (21,000±1000, 111); Audubon's Oriole, 2; Brewer's Blackbird, 250; Boat-tailed Grackle, 78; Brown-headed Cowbird, 52; Bronzed Cowbird, 12; Cardinal, 11; Pyrrhuloxia, 1; Texas Sparrow, 25; Savannah Sparrow, 315; Grasshopper Sparrow, 2; Baird's Sparrow, 1; **Sharp-tailed Sparrow,** 1 (F.G.W.); Vesper Sparrow, 2; Lark Sparrow, 68; Black-throated Sparrow, 1; Lincoln's Sparrow, 13; Song Sparrow, 10. **Total,** 133 species; 165,457 individuals.—Eddie F. Conner, Terry Gill, Mrs. Terry Gill, Luther C. Goldman (compiler), Capt. Karl W. Haller, Aubrey Heath, C. E. Hudson, Jr., Merritt H. Hull, William S. Jennings, Mrs. Lucille Johnston, Marshall C. Johnston, Jack Prentiss, Frank G. Watson.

**371. Midland, Tex.** (same area as last year; parks and cemetery [Chinese elm and juniper] 20%, water and marsh 25%, cultivated areas [sorghum grains and cotton] 15%, sandy plains with long grass and mesquite thickets 40%).—Dec. 22; 7:30 a.m. to 6 p.m. Clear, except 2 to 5 p.m. when dust clouds and blowing sand reduced visibility locally to less than 100 yards; temp. 32° to 68°; wind W to SW, 10-35 m.p.h.; ground dry; water covered with thin ice in a.m. Three observers in 2 parties in a.m.; 4 observers in 1 and 2 parties after noon. Total party-hours, 8½ (6 on foot, 2½ by car); total party-miles, 36 (5 on foot, 31 by car). Great Blue Heron, 2; Mallard, 3; Am. Widgeon, 2; Pintail, 2; Ring-necked Duck, 5; Sharp-shinned Hawk, 1; Red-tailed Hawk, 2; Marsh Hawk, 1; Bob-white, 33; Scaled Quail, 89; Killdeer, 20; Long-billed Curlew, 21; Mourning Dove, 2; Red-shafted Flicker, 7; Cactus Wren, 2; Long-billed Marsh Wren, 2; Mockingbird, 1; Am. Robin, 4; Water Pipit, 25; Loggerhead Shrike, 6; Common Starling, 128; House Sparrow, 231; Western Meadowlark, 112; Red-winged Blackbird, 360 (300±50, 60); Brewer's Blackbird, 400 (±50); Brown-headed Cowbird, 2; Cardinal, 1; Pyrrhuloxia, 6; House Finch, 8; Lark Bunting, 139; Vesper Sparrow, 22; Oregon Junco, 2; White-crowned Sparrow, 1; Song Sparrow, 2. **Total,** 34 species; about 1644 individuals. (Low numbers of Lark Bunting and of various sparrows may be attributed to drought-induced shortage of food.)—John E. Galley (compiler), Margret K. Galley, Lucien O. Thompson, Frances Williams, Harold L. Williams.

**372. Queen City, Tex.** (Rt. 1, same as last year; abandoned farmland 60%, creek bottoms 30%, Sulphur River bottoms 10%).—Dec. 26; 7 a.m. to 6:30 p.m. Clear; temp. 53° to 64°; wind NE, 6 m.p.h. One observer. Total hours, 11½ (11 on foot, ½ by car); total miles, 22 (16 on foot, 6 by car). Great Blue Heron, 1; Mallard, 1; Wood Duck, 12; Turkey Vulture, 14; Black Vulture, 1; Red-tailed Hawk, 1; Red-shouldered Hawk, 4; Rough-legged Hawk, 3; Killdeer, 4; Am. Woodcock, 1; Wilson's Snipe, 3; Mourning Dove, 1; Barred Owl, 1; Yellow-shafted Flicker, 8; Red-bellied Woodpecker, 10; Red-headed Woodpecker, 13; Yellow-bellied Sapsucker, 5; Downy Woodpecker, 9; Eastern Phoebe, 2; Blue Jay, 26; Am. Crow, 37; Carolina Chickadee, 15; Tufted Titmouse, 13; Brown Creeper, 6; Winter Wren, 3; Carolina Wren, 8; Mockingbird, 7; Brown Thrasher, 3; Am. Robin, 107; Hermit Thrush, 4; Eastern Bluebird, 8; Golden-crowned Kinglet, 11; Loggerhead Shrike, 7; Common Starling, 1; Myrtle Warbler, 9; Pine Warbler, 11; Eastern Meadowlark, 48; Red-winged Blackbird, 57; Cardinal, 8; Purple Finch, 13; Am. Goldfinch, 44; Eastern Towhee, 1; Slate-colored Junco, 88; Field Sparrow, 42; White-throated Spar-

row, 51; Fox Sparrow, 4; Song Sparrow, 10. **Total,** 47 species; 736 individuals.—Billy Heldt.

373. **Rockport, Tex.** (same area as previous years with addition of 3 miles east to Port Aransas; shore line and mud flats 30%, dry prairies 30%, mesquite chaparral 20%, live-oak brush 20%).—Dec. 26; 5 a.m. to 6 p.m. Cloudy a.m., clear p.m.; temp. 55° to 62°; wind NNW, 5-25 m.p.h.; drought conditions relieved by 18-in. of rain in Sept. Four observers in 2 parties. Total party-hours, 20 (6 on foot, 14 by car); total party-miles, 162 (7 on foot, 155 by car). Eared Grebe, 13; Pied-billed Grebe, 40; White Pelican, 225; Brown Pelican, 111; Double-crested Cormorant, 42; Olivaceus Cormorant, 4; Great Blue Heron, 186; Am. Egret, 71; Snowy Egret, 22; Reddish Egret, 42; Louisiana Heron, 8; Little Blue Heron, 10; Black-crowned Night Heron, 1; White Ibis, 2; Canada Goose, 128; Snow Goose, 118; Blue Goose, 24; Mottled Duck, 6; Gadwall, 300; Am. Widgeon, 2300; Pintail, 20,000; Green-winged Teal, 18; Shoveller, 113; Redhead, 5214; Canvas-back, 300; Greater Scaup, 200; Lesser Scaup, 410; Am. Golden-eye, 5; Buffle-head, 2; Ruddy Duck, 3; Red-breasted Merganser, 5; Turkey Vulture, 49; Black Vulture, 22; Sharp-shinned Hawk, 2; Cooper's Hawk, 1; Red-tailed Hawk, 3; Marsh Hawk, 27; Peregrine Falcon, 1; Pigeon Hawk, 1; Sparrow Hawk, 19; Sandhill Crane, 6; Clapper Rail, 1; Sora, 3; Am. Coot, 2000; Piping Plover, 4; Snowy Plover, 2; Ringed Plover, 5; Mountain Plover, 100; Killdeer, 240; Black-bellied Plover, 148; Ruddy Turnstone, 44; Wilson's Snipe, 70; Long-billed Curlew, 173; Spotted Sandpiper, 1; Willet, 726; Greater Yellow-legs, 190; Lesser Yellow-legs, 110; Least Sandpiper, 22; Red-backed Sandpiper, 1500; Dowitcher, 1000; Semi-palmated Sandpiper, 30; Western Sandpiper, 1500; Marbled Godwit, 169; Sanderling, 77; Am. Avocet, 62; Herring Gull, 400; Ring-billed Gull, 1500; Laughing Gull, 1600; Bonaparte's Gull, 100; Gull-billed Tern, 15; Forster's Tern, 124; Royal Tern, 300; Caspian Tern, 49; Black Skimmer, 104; Mourning Dove, 462; Ground Dove, 4; Inca Dove, 9 (including nest with 2 young); Road-runner, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 15; Red-shafted Flicker, 5; Ladder-backed Woodpecker, 3; Eastern Phoebe, 5; Horned Lark, 27; Black-crested Titmouse, 12; House Wren, 3; Bewick's Wren, 4; Long-billed Marsh Wren, 1; Short-billed Marsh Wren, 6; Mockingbird, 26; Sennett's Thrasher, 1; Am. Robin, 16; Hermit Thrush, 2; Blue-gray Gnatcatcher, 37; Golden-crowned Kinglet, 1; Ruby-crowned Kinglet, 35; Water Pipit, 23; Sprague's Pipit, 1; Cedar Waxwing, 10; Loggerhead Shrike, 42; Common Starling, 150; Solitary Vireo, 3; Orange-crowned Warbler, 3; Nashville Warbler, 1 (R.M.L., A.W.L.); Myrtle Warbler, 21; Common Yellowthroat, 2; House Sparrow, 75; Eastern Meadowlark, 1150; Red-winged Blackbird, 302; Orchard Oriole, 1 (R.M.L., A.W.L.); Brewer's Blackbird, 1; Boat-tailed Grackle, 200; Brown-headed Cowbird, 500; Cardinal, 23; Am. Goldfinch, 57; Spotted Towhee, 1; Savannah Sparrow, 1055; Grasshopper Sparrow, 12; Sharp-tailed Sparrow, 1; Vesper Sparrow, 80; Lark Sparrow, 56; Field Sparrow, 20; White-throated Sparrow, 7; Lincoln's Sparrow, 9; Swamp Sparrow, 3. **Total,** 125 species; 46,909 individuals. (Seen in area Dec. 20 to Dec. 24: Common Loon; White-faced Ibis; White-fronted Goose; Mallard; Ring-necked Duck; Red-shouldered Hawk; Bald Eagle; Audubon's Caracara; Bob-white; Am. Oyster-catcher; Wilson's Plover; Brown Thrasher; Leconte's Sparrow.)—Georgia Belle Getzendaner, Conger N. Hagar, Ann W. Lockwood, Robert M. Lockwood.

374. **Tyler, Tex.** (7½-mile radius centering about 4 miles SE of Tyler and including North and West sides of Lake Tyler and including all area surrounding Pleasure Acres Lake, Greenbrier Lake and Bellwood Lake, most of area on Indian Creek, 15% cultivated fields, 10% lake shores, 40% deciduous creek banks and farmland, 10% swampland and 25% open fields and pasture).—Dec. 30; 6 a.m. to 5:30 p.m. Cloudy to clear; temp. 39° to 78°; wind SSW, 5-28 m.p.h.; morning cloudy with light breeze, afternoon clearing with high gusty winds. Fifteen observers in 5 parties. Total party-hours, 34 (24 on foot, 10 by car); total party-miles, 232 (35 on foot, 197 by car). Pied-billed Grebe, 51; Great Blue Heron, 1; Mallard, 3; Pintail, 6; Green-winged Teal, 8; Ruddy Duck, 3; Turkey Vulture, 91; Black Vulture, 36; Sharp-shinned Hawk, 2; Cooper's Hawk, 2; Red-tailed Hawk, 10; Red-shouldered Hawk, 3; Rough-legged Hawk, 1; Marsh Hawk, 1; Pigeon Hawk, 1; Sparrow Hawk, 23; Bob-white, 6; Am. Coot, 1091 (1000 est., 91); Killdeer, 35; Wilson's Snipe, 11; Mourning Dove, 21; Horned Owl, 1; Barred Owl, 1; Belted Kingfisher, 5; Yellow-shafted Flicker, 91; Red-bellied Woodpecker, 19; Red-headed Woodpecker, 21; Yellow-bellied Sapsucker, 5; Hairy Woodpecker, 10; Downy Woodpecker, 25; Ladder-backed Woodpecker, 2 (B.B.W.); Eastern Phoebe, 8; Blue Jay, 165; Am. Crow, 75; Carolina Chickadee, 159; Tufted Titmouse, 69; White-breasted Nuthatch, 17; Brown Creeper, 9; Winter Wren, 1; Bewick's Wren, 2; Carolina Wren, 15; Short-billed Marsh Wren, 2; Mockingbird, 82; Brown Thrasher, 11; Am. Robin, 18; Hermit Thrush, 9; Eastern Bluebird, 158; Golden-crowned Kinglet, 19; Ruby-crowned Kinglet, 11; Cedar Waxwing, 6; Loggerhead Shrike, 66; Common Starling, 284 (150 est., 134); White-eyed Vireo, 6 (M.M.); Myrtle Warbler, 57; Pine Warbler, 3; House Sparrow, 110; Eastern Meadowlark, 277; Red-winged Blackbird, 422; Rusty Blackbird, 87; Brewer's Blackbird, 20; Purple Grackle, 406; Brown-headed Cowbird, 185; Cardinal, 178; Purple Finch, 1; Am. Goldfinch, 99; Eastern Towhee, 27; Savannah Sparrow, 1; Leconte's Sparrow, 4; Vesper Sparrow, 2; Slate-colored Junco, 221; Chipping Sparrow, 47; Field Sparrow, 56; White-crowned Sparrow, 50; White-throated Sparrow, 189; Fox Sparrow, 14; Lincoln's Sparrow, 25; Swamp Sparrow, 3; Song Sparrow, 22. **Total,** 78 species; 4134 individuals. Blackbirds far too numerous to count or estimate.—Mr. and Mrs. O. J. Sheffield, Carl Weber, Foster Johnson, Mr. and Mrs. Gaddis Taylor, Mr. and Mrs. Vance Burks, Mr. and Mrs. B. B. Watson, Dorothy J. Foster, Michael Carmichael, Dr. Chas D. Ogilvie, Bill Kinzie, Jack White (Tyler Audubon Society).

375. **Billings, Mont.** (same area as last year).—Dec. 22; 8 a.m. to 5 p.m. Partly cloudy; temp. 26° to 30°; wind NW to N, 2-10 m.p.h.; occasional snow squalls; 4-8-in. snow on ground; 60% of river covered with ice. Nine observers in 5 parties. Total party-hours, 21½ (14¼ on foot, 7¼ by car); total party-miles, 160 (20 on foot, 140 by car). Great Blue Heron, 1 (crippled); Mallard, 144; Am. Golden-eye, 45; Am. Merganser, 13; Sharp-shinned Hawk, 1; Red-tailed Hawk, 1; Rough-legged Hawk, 7; Ferruginous Hawk, 1; Marsh Hawk, 1; Prairie Falcon, 1; Sparrow Hawk, 1; Sharp-tailed Grouse, 3; European Partridge, 10; Ring-necked Pheasant, 110; Killdeer, 2; Wilson's Snipe, 6; Horned Owl, 1; **Long-eared Owl,** 1; Short-eared Owl, 3; Belted Kingfisher, 5; Red-shafted Flicker, 8; Hairy Woodpecker, 3; Downy Woodpecker, 5; Horned Lark, 44; Am. Magpie, 101; Piñon Jay, 20; Black-capped Chickadee, 52; White-breasted Nuthatch, 1; Townsend's Solitaire, 1; Bohemian Waxwing, 115; Gray Shrike, 2; Common Starling, 31; House Sparrow, 255; Western Meadowlark, 5; Rusty Blackbird, 5 [no details—Ed.]; **Pine Siskin,** 68; Slate-colored Junco, 7; **Am. Tree Sparrow,** 506; Song Sparrow, 7. **Total,** 39 species; 1593 individuals.—M. A. Adams, R. T. Adams, E. D. Berg, W. D. Crabb, P. W. Jeppson, L. A. Peterson (compiler), B. W. Rounds, J. T. Shields, J. A. Tyler.

376. **Bozeman, Mont.** (essentially same area as covered in 1949).—Dec. 29; 8:30 a.m. to 4:30 p.m. Bright to cloudy; temp. 26° to 40°; wind SW, under 15 m.p.h.; ground covered with 6-8-in. snow. Two observers in 1 party. Total party-hours, 8 (1 on foot, 7 by car); total party-miles, 98 (2 on foot, 96 by car). Mallard, 24; Rough-legged Hawk, 1; Golden Eagle, 2; European Partridge, 13; Ring-necked Pheasant, 23; Wilson's Snipe, 1; Horned Lark, 7; Am. Magpie, 148; Common Raven, 2; Am. Crow, 15; Mountain Chickadee, 4; Am. Dipper, 1; Townsend's Solitaire, 3; Common Starling, 130; House Sparrow, 250; Black Rosy Finch, 100; Gray-crowned Rosy Finch (Hepburn's), 50; Song Sparrow, 1. **Total,** 17 species; 775 individuals.—C. V. Davis, H. N. Metcalf.

377. **Libby, Mont.** (1½-mile radius centering on Mineral Ave. and 7th St., and including south bank of Kootenai River to mouth of Parmenter Creek, north bank of Kootenai River to Post Trailer Court, banks of Libby Creek from bridge on 5th St. extension south to inlets to mill ponds; town area, mostly residential 30%, creek and mill pond banks and deciduous trees and shrubs 20%, open, second growth coniferous forest, mixed with deciduous growth 20%, river shore 20%, ponderosa pine forest 6%, lumber yard 4%).—Dec. 27; 8:45 a.m. to 12 m., 1 p.m. to 5:45 p.m. Cloudy; temp. 4° to 11°; no wind; ground covered with 14-in. powdery snow; mill pond and creeks frozen over except main channel of Libby Creek, Kootenai River frozen only along edges, with running springs and bare shore in places. Two observers in 1 party. Total party-hours, 7¾ (all on foot); total party-miles, 8¼. Mallard, 26; Am. Golden-eye, 1; Am. Merganser, 2; **Killdeer,** 5; Wilson's Snipe, 3; Belted Kingfisher, 2; Red-shafted Flicker, 3; Hairy Woodpecker, 2; Am. Magpie, 1; Common Raven, about 7; Black-capped Chickadee, 12 (7 est., 5); Mountain Chickadee, 1; Brown Creeper, 1; Dipper, 4; Townsend's Solitaire, 1; Golden-crowned Kinglet, 6; Bohemian Waxwing, 16 (14 est., 2); Oregon Junco, 7; Song Sparrow, 4. **Total,** 19 species; about 104 individuals. (Seen in area Dec. 24: Pintail, 1; House Sparrow, 2.)—Thomas Rogers, Steele Young.

378. **Casper, Wyo.** (same as 1948 and subsequent years).—Dec. 23; 7:30 a.m. to 4:30 p.m. Clear, ideal conditions; temp. 0° to 20°; wind SW, 10 m.p.h.; ground partially covered with 3-in. snow, open water only at warm springs. Nine observers in 3 parties. Total party-hours, 22 (11 on foot, 11 by car); total party-miles, 125 (25 on foot, 100 by car). Mallard, 477; Gadwall, 11; Green-winged Teal, 1; Am. Golden-eye, 3; Am. Merganser, 5; Goshawk, 1; Red-tailed Hawk, 1; **Golden Eagle,** 10; Marsh Hawk, 2; Prairie Falcon, 1; Sharp-tailed Grouse, 9; **Sage Hen,** 30; Ring-necked Pheasant, 7; Wilson's Snipe, 4; Horned Owl, 6; **Short-eared Owl,** 1; Saw-whet Owl, 1; Belted Kingfisher, 1; Red-shafted Flicker, 8; Hairy Woodpecker, 1; Downy Woodpecker, 3; Horned Lark, 55; Am. Magpie, 175; Am. Crow, 7; Clark's Nutcracker, 1; Black-capped Chickadee, 39; Mountain Chickadee, 25; Red-breasted Nuthatch, 1; Townsend's Solitaire, 3; **Bohemian Waxwing,** 236; Common Starling, 52; House Sparrow, 942; Red-winged Blackbird, 37; **Gray-crowned Rosy Finch,** 108; Slate-colored Junco, 4; Oregon Junco (Pink-sided), 2; Am. Tree Sparrow, 86; Harris's Sparrow, 1; Song Sparrow, 14. **Total,** 39 species; 2371 individuals.—A. Brady, L. R. Burkhardt, R. R. Burkhardt, Dr. and Mrs. O. K. Scott, B. E. Stephenson, Mr. and Mrs. J. W. Yant, Howard Yant (Wyoming Audubon Society).

379. **Boulder, Colo.** (2 miles southwest of Boulder to 10 miles northeast; streets and parks of town 25%, open farmland 45%, cottonwood stream bottom 10%, reservoir 5%, shrub thickets of canyon floors 10%, ponderosa pine forest 5%).—Dec. 26; 7:30 a.m. to 5 p.m. Clear; temp. 20° to 32° to 24°; no wind; ground partly covered with snow. Ten observers; 8 in 2 parties before noon, 9 in 3 parties after noon. Total party-hours, 17 (5 on foot, 12 by car); total party-miles, 90 (6 on foot, 84 by car). Mallard, 5000 (±500) (rafts studied carefully, no other species of ducks seen); Canada Goose, 25; Red-tailed Hawk, 4; Ferruginous Rough-leg, 1; Marsh Hawk, 3; Sparrow Hawk, 2; Ring-necked Pheasant, 15; Killdeer, 1; Herring Gull, 2; Ring-billed Gull, 1; Red-shafted Flicker, 52; Lewis's Woodpecker, 5; Hairy Woodpecker, 3; Downy Woodpecker, 3; Steller's Jay, 20; Am. Magpie, 91; Am. Crow, 5; Black-capped Chickadee, 14; Mountain Chickadee, 5; Brown Creeper, 5; Dipper, 3; Am. Robin, 116; Townsend's Solitaire, 4; Golden-crowned Kinglet, 2; Cedar Waxwing, 5; Common Starling, 78; House Sparrow, 120; Western Meadowlark, 36; Red-winged Blackbird, 918 (including 30 females); House Finch,

35; Pine Siskin, 2; Spotted Towhee, 7; White-winged Junco, 2; Slate-colored Junco, 3; Oregon Junco, 66 (Shufeldt's, 11; Pink-sided, 55); Gray-headed Junco, 23; Tree Sparrow, 71; Song Sparrow, 30: **Total,** 38 species (1 additional subspecies); about 6778 individuals. (A Scrub Jay was trapped and banded in Boulder, Dec. 23, by John Hough; 4 others were seen.)—Douglas, Gordon, and Marion Alexander, Elizabeth and Joseph Hall, Eleanor and John Hough, Edna L. Johnson, William A. Weber, Olwen Williams (University of Colorado).

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**Virgil C. Rosenbaum**

Christmas Bird Counters were saddened by the news that a distinguished member of their company passed away while participating in the Denver Count on December 30. Mr. Virgil C. Rosenbaum, energetic president of the Colorado Bird Club, died from over-exertion while he was freeing his car from the snow.

Since 1949, when Mr. Rosenbaum interested the Colorado Bird Club in reporting their observations to *Audubon Field Notes*, his name has been familiar to our readers as an active participant in the Breeding Bird Census, Winter Bird Population Study, and Christmas Count, and as a regular reporter of distribution and migration records.

His earlier years were spent in Iowa and Arizona. During World War II he served with the Sea Bees and spent over three years in the Aleutians where he did considerable bird-watching. He became an associate member of the American Ornithologists' Union in 1946, and he attended the California Audubon Camp in 1950. Mr. Rosenbaum's untimely passing at the age of 56 will be deeply felt by all who had the pleasure of knowing him.—C.S.R.

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**380. Colorado Springs, Colo.** (same area as last year; foothills with cottonwood-oak-conifer growth 34%, farmland and ponds and marsh 26%, suburbs and city parks 26%, rolling plains 14%).—Dec. 30; 7:30 a.m. to 5:30 p.m. Overcast, occasional light mist; temp. 32° to 54°; wind SSE to W, 0-15 m.p.h.; ground clear, streams and ponds mostly frozen. Seventeen observers in 7 parties. Total party-hours, 26¼ (18 on foot, 8¼ by car); total party-miles, 55 (15 on foot, 40 by car). Mallard, 469 (350±50, 119); Green-winged Teal, 10; Am. Merganser, 4; Red-tailed Hawk, 3; Golden Eagle, 2; Ring-necked Pheasant, 2; Killdeer, 8; Wilson's Snipe, 21; Herring Gull, 1; Long-eared Owl, 1; Belted Kingfisher, 2; Red-shafted Flicker, 33; Hairy Woodpecker, 6; Downy Woodpecker, 7; Horned Lark, 300 (est.); Steller's Jay, 219; Scrub Jay, 19; Am. Magpie, 121; Am. Crow, 72; Piñon Jay, 1; Clark's Nutcracker, 7; Black-capped Chickadee, 55; Mountain Chickadee, 25; White-breasted Nuthatch, 12; Red-breasted Nuthatch, 2; Pygmy Nuthatch, 22; Brown Creeper, 5; Am. Dipper, 1; Am. Robin, 150; Townsend's Solitaire, 5; Golden-crowned Kinglet, 2; Ruby-crowned Kinglet, 1; Cedar Waxwing, 2; Loggerhead Shrike, 2; Common Starling, 14; House Sparrow, 342; Western Meadowlark, 27; Red-winged Blackbird, 142; Evening Grosbeak, 4; Cassin's Finch, 1; House Finch, 170; Pine Siskin, 31; Green-tailed Towhee, 3; Spotted Towhee, 11; White-winged Junco, 3; Slate-colored Junco, 8; Oregon Junco, 260 (including Pink-sided, 201; Shufeldt's, 21; Montana, 4); Gray-headed Junco, 253; unidentified juncos, 55; Am. Tree Sparrow, 259; Chipping Sparrow, 2; White-crowned Sparrow, 4; Song Sparrow, 27. **Total,** 52 species (2 additional subspecies); 3208 individuals.—Mrs. T. L. Adams, Mrs. Gilbert Catlett, Mr. and Mrs. Stanley Davis, Mrs. Rebecca Holland, Allen Mathies, Mrs. Ruth Nelson, Paul Nesbit, Mrs. Frank Sample (compiler), Mary Shirer, George Sinton, Mrs. F. V. Slifer, Robert Stabler, Mrs. M. M. Thurlow, James Turner, Mrs. H. J. Wagner, Richard Woodard (Aiken Ornithological Society).

**381. Denver and Jefferson County, Colo.** (7½-mile radius centering on SE slope of Green Mtn., 5½ miles west of Denver; including Sloan's Lake Park, Marston Lake, Federal Center, Red Rocks Park, Genesee Mountain Park (E. part), Crown Hill Cemetery, Morrison, Tiny Town and Indian Hills, and Clear, Mount Vernon, Bear and Turkey Creeks and Canyons; residential and suburban 15%, city park and cemetery 5%, irrigated farm 20%, dry farm and pasture 5%, scrub slopes 5%, evergreen slopes 15%, rocks and canyons 5%, mountain streams 5%, creek bottoms 10%, lakes and ponds 10%, cattails 5%; elevation 5300 to 8200 feet, 60% Upper Sonoran, 35% Transition and 5% Canadian life zones).—Dec. 30; 5 a.m. to 5 p.m. Snowing and foggy; temp. 30° to 35°; wind NE, 0-5 m.p.h.; ground bare on plains to 4-in. fresh snow in mts., plus 6-10-in. hard snow on north slopes; lakes, ponds frozen 95-100%, streams 0-75%. Twenty-eight observers (22 in 7 parties, 6 at feeders). Total party-hours, 57 (35 on foot, 22 by car); total party-miles, 322 (49 on foot, 273 by car). Canada Goose, 100 (est.); Mallard, 876 (350 est., 526); Gadwall, 24; Am. Widgeon, 43; Pintail, 201 (100 est., 101); Green-winged Teal, 1; Shoveller, 3; Redhead, 1; Am. Golden-eye, 12; unidentified ducks, 827 (750 est., 77); Ruddy Duck, 3; Am. Merganser, 19; Red-tailed Hawk, 11; Rough-legged Hawk, 1; Golden Eagle, 1; Prairie Falcon, 1; Pigeon Hawk, 3; Sparrow Hawk, 5; Ring-necked Pheasant, 166; Am. Coot, 44; Killdeer, 8; Wilson's Snipe, 8; Ring-billed Gull, 5; Horned Owl, 8; Long-eared Owl, 3; Belted Kingfisher, 3; Red-shafted Flicker, 81; Lewis's Woodpecker, 11; Hairy Woodpecker, 2; Downy Woodpecker, 7; Horned Lark, 396 (350 est., 46); Scrub Jay, 1; Steller's Jay, 30; Am. Magpie, 339; Common Raven, 2; Am. Crow, 5; Black-capped Chickadee, 41; Mountain Chickadee, 41; White-breasted Nuthatch, 5; Pygmy Nuthatch, 44; Brown Creeper, 25; Am. Dipper, 3; Cañon Wren,

4; Brown Thrasher, 1 (seen also Dec. 22, 23. J.C.); Am. Robin, 245; Townsend's Solitaire, 34; Golden-crowned Kinglet, 9; Ruby-crowned Kinglet, 4; Gray Shrike, 2; Common Starling, 98; House Sparrow, 235 (75 est., 160); Western Meadowlark, 125; Red-winged Blackbird, 179 (80 est., 99); Evening Grosbeak, 34; House Finch, 214 (75 est., 139); Gray-crowned Rosy Finch, 100 est. (incl. 5 Hepburn's); unidentified rosy finch, 7; Pine Siskin, 18; Am. Goldfinch, 102; Spotted Towhee, 1; unidentified juncos, 35; White-winged Junco, 10; Slate-colored Junco, 81 (70 est., 11); Oregon Junco, 227 (Pink-sided 118; other subspecies 109); Gray-headed Junco, 61; Am. Tree Sparrow, 251; Harris's Sparrow, 1 (also Dec. 23, J.C.; Dec. 31, J.C., D.T.); White-crowned Sparrow, 12; Fox Sparrow, 2 (V.R., no details); Song Sparrow, 49. **Total,** 67 species (2 additional subspecies); about 5551 individuals. (Seen in area during period: Sharp-shinned Hawk, 1; Marsh Hawk, 2; Herring Gull, 1; Screech Owl, 1; Rusty Blackbird, 4; Red Crossbill, 1.)—Lang Baily, L. M. Baylor, Burness and Lola Bunger, Phyllis Caswell, John and Margaret Chapin, Mrs. Arthur H. Crow, Dolores Jameson, Bernice Johnson, Ferd Kleinschnitz, Chana Marker, Thompson G. Marsh, Donald McLean, Margaret Miller, Sadie Morrison, James Muir, Ray Olson, Margaret Pritchett, Mrs. Jacob Reifschneider, Virgil Rosenbaum, George Sciple, Sylvia Spanjer, Donald and Hazel Thatcher, Harry L. Tyler, Ruth Wheeler, Charles Wood (Colorado Bird Club).

**382. Fort Collins, Colo.** (same area as 1948 and subsequent years).—Dec. 29; 7 a.m. to 5 p.m. Cloudy, raining and snowing; temp. 29° to 46°; no wind; lakes frozen. Three observers in 2 parties. Total party-hours, 9 (2 on foot, 7 by car); total party-miles, 128 (5 on foot, 123 by car). Great Blue Heron, 2; Mallard, 1933; Am. Widgeon, 5; Pintail, 2; Rough-legged Hawk, 1; Golden Eagle, 2; Bald Eagle, 1; Marsh Hawk, 2; Sparrow Hawk, 1; Ring-necked Pheasant, 12; Killdeer, 1; Horned Owl, 1; Belted Kingfisher, 1; Red-shafted Flicker, 32; Lewis's Woodpecker, 9; Downy Woodpecker, 3; Horned Lark, 71; Steller's Jay, 1; Scrub Jay, 1; Am. Magpie, 121; Black-capped Chickadee, 4; Mountain Chickadee, 3; Red-breasted Nuthatch, 4; Brown Creeper, 3; Am. Dipper, 3; Rock Wren, 1; Am. Robin, 5; Townsend's Solitaire, 1; Gray Shrike, 1; Common Starling, 463; House Sparrow, 93; Western Meadowlark, 17; Red-winged Blackbird, 27; House Finch, 63; Slate-colored Junco, 1; Oregon Junco, 46; Am. Tree Sparrow, 94; White-crowned Sparrow, 15; Song Sparrow, 16. **Total,** 39 species; 3062 individuals.—Reba Beidleman, R. G. Beidleman (compiler), Arnold F. Schulz.

**383. Greeley, Colo.** (same area as in 1949 and 1950; open water 10%, wooded bottomland 40%, farmland and roadsides 48%, parks 2%).—Dec. 28; 8 a.m. to 4 p.m. Fair; temp. 15° to 55°; wind NW, 0-5 m.p.h. in a.m., chinook in p.m.; ground covered with 2-4-in. snow; rivers and seepage ditches open, small area open at Latham Reservoir. Five observers in 3 parties. Total party-hours, 17 (12½ on foot, 4½ by car); total party-miles, 71 (8 on foot, 63 by car). Great Blue Heron, 1; Mallard, 1018 (1000 est., 18); Pintail, 2; Green-winged Teal, 1; Am. Goldeneye, 3; Red-breasted Merganser, 3 (K.T.); Cooper's Hawk, 1; Red-tailed Hawk, 5; Rough-legged Hawk, 2; Bald Eagle, 1; Marsh Hawk, 4; Ring-necked Pheasant, 42; Killdeer, 4; Wilson's Snipe, 3; Spotted Sandpiper, 3 (K.T.) [no substantiating details—Ed.]; Ring-billed Gull, 3; Horned Owl, 2; Belted Kingfisher, 1; Red-shafted Flicker, 46; Downy Woodpecker, 2; Horned Lark, 17; Am. Magpie, 82; Black-capped Chickadee, 19; Red-breasted Nuthatch, 1; Brown Creeper, 2; Am. Robin, 6; Common Starling, 566; House Sparrow, 389; Western Meadowlark, 39; Red-winged Blackbird, 1318; House Finch, 16; Am. Goldfinch, 24; Oregon Junco, 41 (including Pink-sided, 35); Gray-headed Junco, 6; Am. Tree Sparrow, 85; Chipping Sparrow, 4; White-crowned Sparrow, 9; Song Sparrow, 39. **Total,** 38 species (1 additional subspecies); about 3810 individuals.—Mrs. Carl N. Collister (compiler), Mrs. R. L. Meager, Mr. and Mrs. Kenneth Tegtman, Olive Irene Walker.

**384. Idaho Springs, Colo.** (7½-mile radius centering near junction of Routes 6 and 40, and including Echo Lake, Chicago Creek, Idaho Springs, Georgetown, Silver Plume, and Berthoud Pass (elevation 7500 to 11,300 feet); town and suburbs 15%, mountain valleys 50%, evergreen slopes 35%).—Dec. 27; 7:15 a.m. to 2:45 p.m. Cloudy to clear; temp. 24° to 38°; wind W, up to 45 m.p.h.; ground bare to 6-ft. drifts, lake frozen, streams 99% frozen. Two observers in 1 party. Total party-hours, 7½ (3½ on foot, 4 by car); total party-miles, 104 (4 on foot, 100 by car). Downy Woodpecker, 1; **Gray Jay,** 9; Steller's Jay, 28; Am. Magpie, 2; Clark's Nutcracker, 8; Black-capped Chickadee, 5; Mountain Chickadee, 17; Red-breasted Nuthatch, 1; Am. Robin, 34; Townsend's Solitaire, 28; Golden-crowned Kinglet, 1; Cassin's Finch, 1; Gray-crowned Rosy Finch, 26 (including 8 Hepburn's); unidentified rosy finches, 30; Oregon Junco, 3; Gray-headed Junco, 20; unidentified juncos, 6. **Total,** 15 species (1 additional subspecies); 220 individuals.—John L. Chapin (compiler), James Humphrey.

**385. Longmont, Colo.** (within a 7½-mile radius from center of city; Union Reservoir and numerous small reservoirs, St. Vrain and Left Hand Creeks, warm seepage ditches, cattail marsh southeast of city, open farmland and roadsides, city cemetery; open water 14%, creek bottoms 20%, marsh 1%, farmland and roadsides 64%, cemetery 1%).—Dec. 26; 7:15 a.m. to 4:45 p.m. Fair; temp. 16° to 26°; wind N, 1-5 m.p.h.; 2-12-in. old crusted snow; rivers and seepage ditches open, about 1 acre open water at Union Reservoir, small reservoirs frozen. One observer. Total hours, 8½; total miles, 62 (3 on foot, 59 by car). Mallard, 4500 (est.); Am. Merganser, 1; Red-tailed Hawk, 3; Rough-legged Hawk, 3; Bald Eagle, 2; Marsh Hawk, 7; Ring-necked Pheasant, 3; Am. Coot, 4; Killdeer, 5; Wilson's Snipe, 8; Herring Gull, 2; Ring-billed Gull, 8; Red-shafted Flicker, 18; Horned Lark, 18; Am. Magpie, 43; Am. Crow, 293; Black-capped Chickadee, 3; Gray Shrike, 2;

Common Starling, 141; House Sparrow, 82; Western Meadowlark, 36; Red-winged Blackbird, 665; Rusty Blackbird, 4 (observed at 20 ft. with 7x binoculars); Brewer's Blackbird, 105; House Finch, 9; Am. Goldfinch, 6; Spotted Towhee, 1 (seen at close range); Slate-colored Junco, 1; Oregon Junco, 5 (Shufeldt's, 2; Pink-sided, 3); Am. Tree Sparrow, 42; Song Sparrow, 22. **Total,** 31 species (1 additional subspecies); about 6042 individuals. (Seen in area Dec. 25: Black-crowned Night Heron.)—Mrs. Carl N. Collister.

386. **Lyons, Colo.** (same area as last year and previously; farmland 30%, creek bottoms 30%, ponderosa pine 40%).—Dec. 26; 7:30 a.m. to 4:45 p.m. Clear; temp. 17° to 31°; wind W-NW, 0-10 m.p.h.; ground covered with 0-4-in. snow on plains, 0-8-in. in foothills; reservoirs and ponds frozen, some open water in creeks. Two observers in 1 party. Total party-hours, 9 (5 on foot, 4 by car); total party-miles, 77 (7 on foot, 70 by car). Great Blue Heron, 1; Mallard, 1504 (1500 est., 4; large flock flying north in late afternoon; 4 on open spots in creeks); Red-tailed Hawk, 2; Ring-necked Pheasant, 29; Killdeer, 2; Belted Kingfisher, 1; Red-shafted Flicker, 7; Lewis's Woodpecker, 2; Hairy Woodpecker, 2; Downy Woodpecker, 2; Steller's Jay, 1; Am. Magpie, 69; **Piñon Jay,** 488 (100 est., 388); Black-capped Chickadee, 16; Mountain Chickadee, 38; White-breasted Nuthatch, 2; **Red-breasted Nuthatch,** 11; Brown Creeper, 6; Am. Dipper, 2; Am. Robin, 175; Townsend's Solitaire, 3; **Golden-crowned Kinglet,** 1; Common Starling, 3; House Sparrow, 9; Western Meadowlark, 2; Red-winged Blackbird, 1; Cassin's Finch, 38; House Finch, 5; Am. Goldfinch, 2; **Red Crossbill,** 30; Spotted Towhee, 1; **White-winged Junco,** 8; Slate-colored Junco, 1; Oregon Junco, 143 (mostly Pink-sided); Gray-headed Junco, 8; unidentified juncos, 111; Am. Tree Sparrow, 126; Song Sparrow, 2. **Total,** 37 species (1 additional subspecies); 2853 individuals.—Hugh E. Kingery, Mrs. H. M. Kingery.

387. **Bitter Lake National Wildlife Refuge, Roswell, N. Mex.** (same area as last year; ponds and dikes 90%, farmland 3%, grassy uplands 2%, tamarisk thickets 5%).—Dec. 27; 6:30 a.m. to 5:30 p.m. Partly cloudy in a.m., clear in p.m.; temp. 23° to 51°; wind S, 3-5 m.p.h.; ponds open with thin shore ice. Nine observers in 3 parties. Total party-hours, 72 (5 on foot, 67 by car); total party-miles, 78 (11 on foot, 67 by car). Eared Grebe, 4; Pied-billed Grebe, 16; Double-crested Cormorant, 4; Great Blue Heron, 20; Am. Egret, 6; Black-crowned Night Heron, 19; Canada Goose, 94; White-fronted Goose, 1; Snow Goose, 29; Blue Goose, 1; Mallard, 10,700 (6700 est., 4000); Gadwall, 20; Am. Widgeon, 14,900 (8900 est., 6000); Pintail, 2050 (1250 est., 800); Green-winged Teal, 100; Shoveller, 250; Redhead, 64; Ring-necked Duck, 40; Canvas-back, 1035 (435 est., 600); Greater Scaup, 2; Lesser Scaup, 414; Am. Golden-eye, 25; Buffle-head, 24; Ruddy Duck, 230; Hooded Merganser, 2; Am. Merganser, 134; Cooper's Hawk, 3; Red-tailed Hawk, 3; Swainson's Hawk, 1 (J.S., D.N.K.); Rough-legged Hawk, 2; Golden Eagle, 2; Marsh Hawk, 12; Sparrow Hawk, 5; Scaled Quail, 29; Sandhill Crane, 11,635 (1200 est., 10,435); Am. Coot, 955 (555 est., 400); Wilson's Snipe, 3; Greater Yellow-legs, 3; Ring-billed Gull, 331; Road-runner, 2; Belted Kingfisher, 3; Red-shafted Flicker, 33; Say's Phoebe, 1; Horned Lark, 390 (300 est., 90); Bewick's Wren, 4; Long-billed Marsh Wren, 6; Golden-crowned Kinglet, 1; Ruby-crowned Kinglet, 1; Water Pipit, 2; Loggerhead Shrike, 10; House Sparrow, 26,000 (25,500 est., 500), (roosting in tree on courthouse lawn in Roswell); Western Meadowlark, 47; Red-winged Blackbird, 274; Brewer's Blackbird, 10,000 (9000 est., 1000); Boat-tailed Grackle, 14; Lesser Goldfinch, 1; Savannah Sparrow, 18; Sage Sparrow, 26; Oregon Junco, 31; White-crowned Sparrow, 32; Song Sparrow, 40. **Total,** 61 species; about 80,104 individuals. (Observed during census week: Am. Bittern, 1; Killdeer, 6.)—Alfred G. Etter, Raymond J. Fleetwood, Ray Hunter, Donald W. Krieble, Major Vester Montgomery, Ducky Price, Donald Redfearn, James H. Sikes, John Sikes.

388. **Bosque del Apache National Wildlife Refuge, San Antonio, N. Mex.** (same area as last year except that the area between unit #24 and a point ¼-mile south of the southern boundary line, the Rio Grande River and Highway #85 were included in census area; ponds and dikes 75%, irrigated farmland 10%, river bosque 5%, creosote bush—mesquite upland 10%).—Dec. 23; 6:30 a.m. to 5:50 p.m. Clear; temp. 25° to 55°; wind none; ponds and borrow pits frozen, ditches open. Six observers in 2 parties. Total party-hours, 35 (8 on foot, 27 by car); total party-miles, 76 (5 on foot, 71 by car). Pied-billed Grebe, 1; Great Blue Heron, 40; Black-crowned Night Heron, 16; Whistling Swan, 35; Canada Goose, 2340 (762 est., 1578); Snow Goose, 30; Mallard, 39,810 (37,710 est., 2100); Gadwall, 440; Am. Widgeon, 105; Pintail, 2110 (1610 est., 500); Green-winged Teal, 250; Shoveller, 50; Redhead, 6; Ring-necked Duck, 104; Canvas-back, 235; Bufflehead, 10; Ruddy Duck, 2; Hooded Merganser, 1; Am. Merganser, 115; Cooper's Hawk, 8; Red-tailed Hawk, 14; Golden Eagle, 5; Marsh Hawk, 15; Prairie Falcon, 1; Sparrow Hawk, 5; Gambel's Quail, 173; Ring-necked Pheasant, 14; Sandhill Crane, 65; Am. Coot, 596; Killdeer, 1; Wilson's Snipe, 3; Greater Yellow-legs, 3; Mourning Dove, 12; Road-runner, 9; Horned Owl, 1; Belted Kingfisher, 1; Red-shafted Flicker, 95; Ladder-backed Woodpecker, 5; Black Phoebe, 1; Say's Phoebe, 8; Am. Magpie, 3; Common Bushtit, 25; Bewick's Wren, 1; Long-billed Marsh Wren, 12; Crissal Thrasher, 4; Am. Robin, 1; Western Bluebird, 22; Ruby-crowned Kinglet, 10; Water Pipit, 210; Loggerhead Shrike, 8; Common Starling, 146; House Sparrow, 115; Western Meadowlark, 44; Yellow-headed Blackbird, 210; Red-winged Blackbird, 66,820 (65,000 est., 1820); Brewer's Blackbird, 1; House Finch, 12; Pine Siskin, 1; Lesser Goldfinch, 12; Spotted Towhee, 4; Brown Towhee, 1; Savannah Sparrow, 7; Sage Sparrow, 30; Oregon Junco, 309; White-crowned Sparrow, 52; Swamp Sparrow, 1; Song Sparrow, 38.

**Total,** 67 species; about 114,834 individuals. [Observed during the week: Blue Goose, 3; Hairy Woodpecker, 1; Audubon's Warbler, 8; Horned Grebe, 1 (R.W.C.); Lesser Scaup, 12; Least Sandpiper, 7; Common Raven, 1; Mountain Bluebird, 3; Vesper Sparrow, 3; Yellow-shafted Flicker, 1 (R.W.C.); Bald Eagle, 1.]—Russell W. Clapper, Raymond J. Fleetwood, Joyce Lethbridge, Norman Lethbridge, Homer S. Musgrave, Katharine Musgrave.

389. **Estancia, N. Mex.** (area same as last year; open prairie 25%, rolling sagebrush flats 25%, juniper foothills 15%, juniper-piñon pine 15%, lodgepole pine forest 20%).—Dec. 30; 8 a.m. to 5 p.m. Cloudy; temp. 45° to 55°; wind SW, 35-45 m.p.h.; **dust storm;** visibility at times under 50 ft. Two observers in 1 party. Total party-hours, 9 (1 on foot, 8 by car); total party-miles, 75 (1 on foot, 74 by car). Rough-legged Hawk, 2; Scaled Quail, 30; Horned Owl, 2; Horned Lark, 134; Steller's Jay, 4; Piñon Jay, 1; Am. Robin, 1; Mountain Bluebird, 8; Common Starling, 5; House Sparrow, 13; Western Meadowlark, 1; Brewer's Blackbird, 40; House Finch, 30; Slate-colored Junco, 2; Oregon Junco, 322. **Total,** 15 species; about 595 individuals. (Seen Dec. 23: Canada Goose, 2.)—Jones C. Penwell, Gloria J. Penwell (compiler).

390. **Reserve, N. Mex.** (along San Francisco River and road to Lower San Francisco Plaza, retracked to Reserve, then along Highway #7 to junction with Highway #260 which was taken to the crest of San Francisco mountains, elevation 8010 feet, retracked to junction then west to Cottonwood Canyon via Highway #260, returning to Reserve by the same roads; to airport and up San Francisco River 1 mile; cottonwood and willow thickets 10%, cultivated land and juniper-oak forest edge 30%, yellow pine forest 40%, juniper-oak 20%).—Dec. 30; 7 a.m. to 3:30 p.m. Partly cloudy; temp. 44° at start, 58° at return; wind SW, 20-25 m.p.h.; melting snow and wet ground on northern slopes. Two observers in 1 party. Total party-hours, 8 (2 on foot, 6 by car); total party-miles, 40 (3 on foot, 37 by car). Cooper's Hawk, 1; Red-tailed Hawk, 2; Golden Eagle, 1; Mourning Dove, 3; Red-shafted Flicker, 4; Acorn Woodpecker, 1; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 3; Steller's Jay, 4; Scrub Jay, 3; Common Raven, 6; Am. Crow, 3; Piñon Jay, 275; Mountain Chickadee, 2; White-breasted Nuthatch, 1; Pygmy Nuthatch, 4; Winter Wren, 1 (M.O.); Am. Robin, 15; Mountain Bluebird, 32; Townsend's Solitaire, 13; Ruby-crowned Kinglet, 1; House Sparrow, 5; House Finch, 57; Pine Siskin, 5; Lesser Goldfinch, 25; Spotted Towhee, 5; Brown Towhee, 4; Oregon Junco, 278; Gray-headed Junco, 9; Song Sparrow, 13. **Total,** 30 species; about 777 individuals. (Observed during the week, Gambel's Quail, Sparrow Hawk, White-crowned Sparrow.)—Raymond J. Fleetwood, Mary Orr (New Mexico Natural History Society).

391. **Socorro, N. Mex.** (vicinity of McAlister Lake, Pueblito then south along riverside dike to Socorro, then to Hope Farm, returned to Socorro and went to Six Mile Canyon via Highway #60; cattail marsh 10%, river bosque 50%, irrigated farmland 30%, mesquite-creosote bush upland 5%, juniper-oak foothills 5%).—Dec. 22; 6:30 a.m. to 5 p.m. Clear; temp. 20° to 45°; wind NW, 3-5 m.p.h.; ponds and small ditches frozen, larger ditches open. Three observers in 1 party. Total party-hours, 8 (5 on foot, 3 by car); total party-miles, 28 (7 on foot, 21 by car). Canada Goose, 186; Mallard, 127; Gadwall, 21; Am. Widgeon, 5; Pintail, 52; Sharp-shinned Hawk, 1; Cooper's Hawk, 5; Red-tailed Hawk, 10; Marsh Hawk, 5; Pigeon Hawk, 1; Sparrow Hawk, 5; Gambel's Quail, 1; Ring-necked Pheasant, 4; Sandhill Crane, 161; Mourning Dove, 5; Road-runner, 7; Horned Owl, 4; Red-shafted Flicker, 35; Hairy Woodpecker, 1; Ladder-backed Woodpecker, 5; Say's Phoebe, 6; Horned Lark, 1; Scrub Jay, 7; Common Raven, 2; Mountain Chickadee, 2; White-breasted Nuthatch, 2; Brown Creeper, 1; Bewick's Wren, 1; Rock Wren, 3; Western Bluebird, 3; Mountain Bluebird, 9; Ruby-crowned Kinglet, 3; Water Pipit, 5; Loggerhead Shrike, 1; Common Starling, 95; House Sparrow, 82; Western Meadowlark, 130; Red-winged Blackbird, 837; Brewer's Blackbird, 5; House Finch, 15; Pine Siskin, 76; Lesser Goldfinch, 14; Spotted Towhee, 4; Oregon Junco, 277; Chipping Sparrow, 1; White-crowned Sparrow, 40; Song Sparrow, 15. **Total,** 48 species; about 2285 individuals.—Raymond J. Fleetwood, Joyce Lethbridge, Norman Lethbridge.

392. **Lewiston (Nez Perce Co.), Idaho** (open rangeland, willows and cottonwood groves bordering the Snake and Clearwater Rivers, smaller stream bottoms, and rocky bluffs fronting the rivers).—Dec. 28; 8:30 a.m. to 5 p.m. Partly cloudy, occasional snow flurries; temp. 24° to 31°; ground covered with 3-in. snow. Total hours, 8; total miles, 30 (5 on foot, 25 by car). Great Blue Heron, 1; Mallard, 1000+; Am. Golden-eye, 13; Am. Merganser, 1; Sharp-shinned Hawk, 2; Cooper's Hawk, 1; Red-tailed Hawk, 1; Marsh Hawk, 3; Sparrow Hawk, 2; European Partridge, 18; Ring-necked Pheasant, 40; Am. Coot, 1; Killdeer, 3; Mourning Dove, 78; Red-shafted Flicker, 5; Horned Lark, 120; Am. Magpie, 8; Rock Wren, 1; Common Starling, 80; Audubon's Warbler, 10; House Sparrow, 200+; Western Meadowlark, 32; Red-winged Blackbird, 2; House Finch, 80; Am. Goldfinch, 4; Savannah Sparrow, 1; Slate-colored Junco, 2; Oregon Junco, 42; White-crowned (Gambel's) Sparrow, 12; Song Sparrow, 9. **Total,** 30 species; 1782+ individuals.—Thos. D. Burleigh.

393. **Moscow, Idaho** (areas west and southwest of Moscow including 5 miles of Palouse Creek and city's disposal unit; also east to Troy and south 4 miles toward Kendrick; open fields with streams surrounded by willow and various conifers 65%, dense coniferous woods 25%, residential area 10%).—Jan. 1; 8:30 a.m. to 4:30 p.m. Overcast, light snow flurries all day; temp. 5° to 14°; wind shifting all day, very slight; deep snow ranging from 30 to 36-in. packed; streams mostly frozen. Two observers to-

gether. Total hours, 7½; total miles, 51 (9 on foot, 42 by car). Mallard, 75 (est.); Ring-necked Pheasant, 3; European Partridge, 14; Killdeer, 3; Red-shafted Flicker, 3; Am. Magpie, 4; Black-capped Chickadee, 11; Winter Wren, 1; Am. Robin, 26; Golden-crowned Kinglet, 8; Bohemian Waxwing, 75; Gray Shrike, 1; House Sparrow, 75; House Finch, 11; Oregon Junco, 1; Song Sparrow, 2. **Total,** 16 species; about 313 individuals. (Seen in area Dec. 25 and 26: Short-eared Owl, 2; Red-breasted Nuthatch, 2; Western Meadowlark, 1.)—Jerry and Leif Verner.

**394. Bear River Migratory Bird Refuge, Utah** (from Refuge headquarters west along canal road, south and east over dikes to Perry, north following highway along foothills to Brigham, west through fields and over salt flats, touching points along Bear River, and back to headquarters; marsh and ponds 50%, fields and farmlands 25%, open pasture lands and river banks 25%).—Dec. 27; 8:30 a.m. to 4:30 p.m. Partly cloudy; temp. 30° to 40°; no wind; 2-in. snow on ground; all ponds and marsh areas frozen over; river partly frozen. Three observers in 1 party. Total party-hours, 8 (1 on foot, 7 by car); total party-miles, 41 (1 on foot, 40 by car). Pied-billed Grebe, 15; White Pelican, 2; Great Blue Heron, 5; Whistling Swan, 5; Canada Goose, 48; Mallard, 489; Am. Widgeon, 2; Pintail, 10; Green-winged Teal, 41; Lesser Scaup, 1; Am. Golden-eye, 1; Buffle-head, 1; Am. Merganser, 58; Red-breasted Merganser, 7; Rough-legged Hawk, 15; Ferruginous Hawk, 4; Golden Eagle, 3; Bald Eagle, 1; Marsh Hawk, 3; Peregrine Falcon, 1; Sparrow Hawk, 1; Ring-necked Pheasant, 220; Am. Coot, 18; Killdeer, 1; Short-eared Owl, 8; Red-shafted Flicker, 2; Horned Lark, 82; Am. Magpie, 19; Common Raven, 9; Am. Crow, 403; Water Pipit, 26; Common Starling, 351; House Sparrow, 215; Western Meadowlark, 24; Red-winged Blackbird, 23; Brewer's Blackbird, 260; Am. Goldfinch, 16; Savannah Sparrow, 1; White-crowned Sparrow, 102; Song Sparrow, 24; Snow Bunting, 4. **Total,** 41 species; 2521 individuals.—Vanez T. Wilson, John K. Bauman, Roland E. Jorgensen.

**395. Bluff, Utah** (between Bluff and Mexican Hat, following general course of San Juan River; open rocky desert with no cover 80%, rocky barren canyons 15%, small fields and corn patches 5%).—Dec. 25; 8 a.m. to 4 p.m. Clear; temp. 30° to 40°; no wind; everything snow covered. Three observers in 1 party. Total party-hours, 8 (4 on foot, 4 by car); total party-miles, 56 (6 on foot, 50 by car). Am. Merganser, 7; Red-shafted Flicker, 2; Horned Lark (Desert), 75; Am. Robin, 3; Common Starling, 5; Western Meadowlark, 3; Brewer's Blackbird, 250. **Total,** 7 species; 345 individuals.—Joseph L., Marion B., and David J. Borden.

**396. Ogden, Utah** (same as for 1949, except for no coverage of Warm Water Canyon).—Dec. 24; 8 a.m. to 5 p.m. Overcast; temp. 28° to 30°; no wind; 12-in. snow on ground. Seven observers in 3 parties. Total party-hours, 42 (25 on foot, 17 by car); total party-miles, 118 (25 on foot, 93 by car). Eared Grebe, 1; Pied-billed Grebe, 3; Great Blue Heron, 17; Black-crowned Night Heron, 1; Whistling Swan, 31; Canada Goose, 96; Snow Goose, 1; Mallard, 634; Gadwall, 13; Am. Widgeon, 17; Pintail, 1056; Green-winged Teal, 53; Shoveller, 143; Redhead, 15; Canvas-back, 83; Lesser Scaup, 3; Am. Golden-eye, 179; Buffle-head, 22; Ruddy Duck, 1; Am. Merganser, 27; Goshawk, 1; Red-tailed Hawk, 3; Bald Eagle, 16; Marsh Hawk, 41; Sparrow Hawk, 1; California Quail, 63; Ring-necked Pheasant, 220; Am. Coot, 31; Killdeer, 21; Wilson's Snipe, 17; Ring-billed Gull, 40; Mourning Dove, 2; Horned Owl, 1; Long-eared Owl, 1; Short-eared Owl, 27; Red-shafted Flicker, 15; Lewis's Woodpecker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 3; Steller's Jay, 1; Scrub Jay, 9; Am. Magpie, 54; Common Raven, 5; Black-capped Chickadee, 57; Am. Dipper, 1; Long-billed Marsh Wren, 1; Am. Robin, 274; Townsend's Solitaire, 1; Golden-crowned Kinglet, 3; Ruby-crowned Kinglet, 1; Water Pipit, 6; Bohemian Waxwing, 19; Common Starling, 310; House Sparrow, 62+; Western Meadowlark, 1; Red-winged Blackbird, 257; Brewer's Blackbird, 18; House Finch, 6; Pine Siskin, 113; Spotted Towhee, 6; Oregon Junco, 62; White-crowned Sparrow, 19; Song Sparrow, 58. **Total,** 63 species; 4245 individuals.—Fern Bell, Robert J. Erwin, Sam Maurer, Noland Nelson, Paul Newey, Richard D. Porter (compiler), Roger L. Porter.

**397. Roosevelt (Duchesne Co.), Utah** (15-mile diameter, extending 5 miles north and west of Roosevelt and 10 miles south and east including Duchesne River from Myton to Randlett Bridge; town suburbs 10%, farms and cultivated land 30%, piñon-juniper 2%, semi-desert shrubs 42%, river bottoms 10%, cattail swamps 5%, large bodies of water 1%).—Dec. 27; 7:30 a.m. to 5:30 p.m. Partly cloudy; temp. 10° to 30°; no wind; ground covered with 4-6-in. snow; all bodies of water frozen except river. Three observers in 1 party. Total party-hours, 10 (4 on foot, 6 by car); total party-miles, 130 (8 on foot, 122 by car). Mallard, 256; Red-tailed Hawk, 5; Rough-legged Hawk, 1; Ferruginous Hawk, 1; Golden Eagle, 2; Marsh Hawk, 2; Sparrow Hawk, 1; Ring-necked Pheasant, 161; Red-shafted Flicker, 22; Horned Lark, 25; Am. Magpie, 114; Am. Crow, 4; Long-billed Marsh Wren, 4; Am. Robin, 76; Mountain Bluebird, 2; Townsend's Solitaire, 3; Loggerhead Shrike, 2; Common Starling, 195; House Sparrow, 667; Western Meadowlark, 8; Red-winged Blackbird, 1818; Oregon Junco, 93; Am. Tree Sparrow, 100; White-crowned Sparrow, 32; Song Sparrow, 39. **Total,** 25 species; 3633 individuals.—Albert Collatzi, Merlin L. Killpack (compiler), Ford Larsen.

**398. Salt Lake City, Utah** (7½-mile radius centering in city and county building; canyons and contiguous benchlands 40%, water courses, ponds and open country 40%, city parks, cemeteries and suburban areas 20%).—Dec. 23; 7:30 a.m. to 5:30 p.m. Cloudy; temp. 32° to 36°; no wind; minimum wet snow 6 in., new snow 2 in.; all ponds frozen. Twenty-eight observers in 10 parties. Total party-hours,

78; total party-miles, 137 (62 on foot, 75 by car). Eared Grebe, 1; Pied-billed Grebe, 4; Great Blue Heron, 6; Canada Goose, 6; White-fronted Goose, 2 (lit with Canada geese in front of B.S.); Mallard, 1054; Gadwall, 71; Am. Widgeon, 205; Pintail, 1535; Green-winged Teal, 448; Blue-winged Teal, 12; Cinnamon Teal, 8; Shoveller, 319; Redhead, 1; Lesser Scaup, 12; Am. Golden-eye, 2; Ruddy Duck, 2; Am. Merganser, 41; Goshawk, 4; Sharp-shinned Hawk, 9; Cooper's Hawk, 5; Red-tailed Hawk, 2; Rough-legged Hawk, 8; Ferruginous Hawk, 1; Golden Eagle, 4; Bald Eagle, 2; Marsh Hawk, 48; Prairie Falcon, 2; Peregrine Falcon, 1; Pigeon Hawk, 1; Sparrow Hawk, 11; California Quail, 804; Ring-necked Pheasant, 844; Sora, 4 (T.E.); Am. Coot, 120; Killdeer, 150; Wilson's Snipe, 90; Lesser Yellow-legs, 1; California Gull, 345; Ring-billed Gull, 775; Mourning Dove, 4; Screech Owl, 1; Horned Owl, 2; Long-eared Owl, 1; Short-eared Owl, 3; Red-shafted Flicker, 97; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 3; Downy Woodpecker, 8; Horned Lark, 126; Steller's Jay, 11; Scrub Jay, 41; Am. Magpie, 84; Common Raven, 6; Black-capped Chickadee, 207; Mountain Chickadee, 9; White-breasted Nuthatch, 1; Brown Creeper, 7; Am. Dipper, 5; Long-billed Marsh Wren, 11; Am. Robin, 232; Townsend's Solitaire, 20; Golden-crowned Kinglet, 15; Ruby-crowned Kinglet, 5; Water Pipit, 8; Sprague's Pipit, 32 (B.S.); Bohemian Waxwing, 1550; Cedar Waxwing, 153; Common Starling, 17,542; Common Yellowthroat, 2 (T.E.); House Sparrow, 5060; Western Meadowlark, 224; Red-winged Blackbird, 1341; Brewer's Blackbird, 13,210; Evening Grosbeak, 5; House Finch, 199; Black Rosy-finch, 7; Pine Siskin, 291; Am. Goldfinch, 460; Spotted Towhee, 62; Sage Sparrow, 1 (B.S.); Slate-colored Junco, 3; Oregon Junco, 439 (including 12 Pink-sided); Gray-headed Junco, 8; Am. Tree Sparrow, 13; Harris's Sparrow, 2; White-crowned Sparrow, 140 (including 138 Gambel's); White-throated Sparrow, 1 (E.W.); Fox Sparrow, 4 (B.S.); Song Sparrow, 284. **Total,** 90 species (2 additional subspecies); 48,901 individuals.—Jack Antrim, Wm. A. Bader, M. R. Cheesman, Tom Dewey, Thayer Evans, Reed Ferris, Elsie Geohegen, Mrs. H. E. Henriques, Betty Jones, C. W. Lockerbie (compiler), Mrs. C. W. Lockerbie, Frank Openshaw, Marjorie Paul, Jane Reavis, Julius Sargent, Boyd Shaffer, Rex B. Snow, G. Steenblik, J. M. Stevens, Mrs. S. L. Tainter, Kenneth Tanner, Bert Webb, Ellis, Dave and Robert Wilson, Bill and Nancy Vandermeer, Ronnie Young.

**399. Flagstaff, Ariz.** (7½-mile radius, centering on city reservoir; Ponderosa Pine forest, including the area around the base of Mt. Elden, south side).—Dec. 30; 7:30 a.m. to 3 p.m. Rain, sleet, and snow all day; temp. 30°; wind gusty, 5-15 m.p.h. Two observers in 2 parties, plus casual city observation by 3 others. Total party-hours, 12; total party-miles, 3 (on foot). Mourning Dove, 3; Hairy Woodpecker, 3; Steller's Jay, 3; Am. Crow, 3; Mountain Chickadee, 1; White-breasted Nuthatch, 2; Am. Robin, 37; Townsend's Solitaire, 1; Evening Grosbeak, 2; Cassin's Finch, 3; Pine Siskin, 5; Slate-colored Junco, 2; Oregon Junco, 78; Gray-headed Junco, 6. **Total,** 14 species; 149 individuals. (Seen during the week: Turkey, 6; Red-tailed Hawk, 1; Red-shafted Flicker, 5; Downy Woodpecker, 1; Pygmy Nuthatch, 10; Brown Creeper, 1; Cañon Wren, 1; Lesser Goldfinch, 1.)—Mrs. R. G. Babbitt, Mrs. Charles Fife, Mr. and Mrs. R. W. Pugh, Mrs. C. W. Sechrist.

**400. Havasu Lake National Wildlife Refuge, (Mohave Co.), Ariz.** (Arizona portion of refuge above Topock, but not including area west of old dike opposite 5-Mile Landing; open cattail-bulrush marsh 35%, open water 15%, desert brush 35%, miscellaneous 15%).—Dec. 23; 7:15 a.m. to 6 p.m. Partly cloudy; temp. 30° to 60°; no wind. Three observers in 2 parties. Total party-hours, 22 (16 on foot, 1 by car, 5 by boat); total party-miles, 35 (9 on foot, 10 by car, 16 by boat). Eared Grebe, 7; Western Grebe, 3; Pied-billed Grebe, 18; White Pelican, 38; Double-crested Cormorant, 67; Great Blue Heron, 31; Am. Egret, 63; Snowy Egret, 24; Black-crowned Night Heron, 13; Canada Goose, 334; Snow Goose, 860 (840 est., 20); Mallard, 48; Gadwall, 37; Pintail, 53; Green-winged Teal, 4121 (4110 est., 11); Shoveller, 75; Redhead, 40; Ring-necked Duck, 59; Canvas-back, 7; Am. Golden-eye, 10; Buffle-head, 16; Ruddy Duck, 36; Hooded Merganser, 15; Am. Merganser, 72; Turkey Vulture, 2; Sharp-shinned Hawk, 2; Cooper's Hawk, 1; Red-tailed Hawk, 2; Harris's Hawk, 28; Golden Eagle, 1; Marsh Hawk, 11; Gambel's Quail, 39; Florida Gallinule, 1; Am. Coot, 1732 (1540 est., 192); Snowy Plover, 1; Killdeer, 9; Wilson's Snipe, 2; Dowitcher, 3; Ring-billed Gull, 3; Horned Owl, 1; Belted Kingfisher, 4; Red-shafted Flicker, 14; Gila Woodpecker, 9; Yellow-bellied Sapsucker, 3; Ladder-backed Woodpecker, 8; Ash-throated Flycatcher, 4; Black Phoebe, 14; Say's Phoebe, 1; Vermilion Flycatcher, 8; Tree Swallow, 11; Common Raven, 2; Verdin, 4; House Wren, 6; Bewick's Wren, 2; Long-billed Marsh Wren, 17; Rock Wren, 1; Mockingbird, 6; Crissal Thrasher, 2; Am. Robin, 13; Hermit Thrush, 1; Black-tailed Gnatcatcher, 13; Ruby-crowned Kinglet, 12; Water Pipit, 32; Phainopepla, 16; Loggerhead Shrike, 7; Common Starling, 22; Orange-crowned Warbler, 1; Audubon's Warbler, 60; Common Yellowthroat, 1; House Sparrow, 10; Western Meadowlark, 25; Brewer's Blackbird, 41; House Finch, 27; Abert's Towhee, 15; Savannah Sparrow, 15; Sage Sparrow, 7; Brewer's Sparrow, 11; White-crowned Sparrow, 32; Song Sparrow, 26. **Total,** 79 species; about 8388 individuals. (Seen in area Dec. 20: Am. Bittern, 1. Dec. 22: Sora, 2; Spotted Sandpiper, 1; Greater Yellow-legs, 1; Red-winged Blackbird, 1.)—Edgar R. Gomer, Gale Monson, Glenn R. Osbun.

**401. Imperial National Wildlife Refuge, Yuma, Ariz.** (same as last year).—Dec. 29; 7 a.m. to 6 p.m. Cloudy; temp. 55° to 78°; wind N, 4 m.p.h. Two observers in 1 party. Total party-hours, 11 (4 on foot, 7 by car); total party-miles, 36 (2 on foot, 34 by car). Eared Grebe, 1; Pied-billed Grebe, 10; White Pelican, 34; Double-crested Cormorant, 11; Great Blue Heron, 11; Am. Egret, 71; Snowy Egret,

42; Black-crowned Night Heron, 2; Canada Goose, 91; Snow Goose, 7; Mallard, 23; Gadwall, 29; Am. Widgeon, 112; Pintail, 17; Green-winged Teal, 8; Shoveller, 5; Redhead, 22; Canvas-back, 4; Ruddy Duck, 5; Am. Merganser, 1; unidentified ducks, 74; Turkey Vulture, 1; Red-tailed Hawk, 1; Harris's Hawk, 3; Marsh Hawk, 2; Sparrow Hawk, 2; Gambel's Quail, 20; Sora, 1; Florida Gallinule, 1; Am. Coot, 500; Killdeer, 6; Wilson's Snipe, 1; Spotted Sandpiper, 6; Least Sandpiper, 18; Dowitcher, 5; Ring-billed Gull, 50; Mourning Dove, 2; Road-runner, 2; Belted Kingfisher, 2; Red-shafted Flicker, 2; Gila Woodpecker, 8; Ladder-backed Woodpecker, 1; Black Phoebe, 6; Say's Phoebe, 2; Verdin, 1; House Wren, 1; Long-billed Marsh Wren, 1; Mockingbird, 3; Crissal Thrasher, 1; Am. Robin, 11; Mountain Bluebird, 2; Blue-gray Gnatcatcher, 3; Ruby-crowned Kinglet, 2; Phainopepla, 3; Loggerhead Shrike, 5; Audubon's Warbler, 17; House Sparrow, 15; Western Meadowlark, 12; Yellow-headed Blackbird, 400; Red-winged Blackbird, 900; Brewer's Blackbird, 1100; House Finch, 1; Abert's Towhee, 1; Savannah Sparrow, 2; Chipping Sparrow, 2; White-crowned Sparrow, 10; Song Sparrow, 1. **Total,** 66 species; 3716 individuals.—Harry B. Crandell, Arthur F. Halloran.

**402. Parker, Ariz.** (Colorado River Indian Reservation; south to Trading Post and Valley School, north to Headgate Rock Dam and Osborne Wash; weedy irrigated fields and canals 70%, river and riparian brush 20%, open desert 10%).—Dec. 26; 7:20 a.m. to 12:20 p.m., 1 p.m. to 6 p.m. Clear; temp. 35° to 70°; wind N, 1-12 m.p.h. Total hours, 10 (3½ on foot, 6½ by car); total miles, 59½ (3½ on foot, 56 by car). Pied-billed Grebe, 12; Great Blue Heron, 4; Am. Egret, 5; Black-crowned Night Heron, 1; Canada Goose, 71; Mallard, 1; Gadwall, 2; Pintail, 140 (est.); Green-winged Teal, 6; Ring-necked Duck, 1; Canvas-back, 1; Am. Goldeneye, 35 (est.); Am. Merganser, 2; unidentified ducks, 28; Turkey Vulture, 11; Cooper's Hawk, 3; Red-tailed Hawk, 6; Marsh Hawk, 11; Sparrow Hawk, 13; Gambel's Quail, 161; Sora, 2; Florida Gallinule, 1; Am. Coot, 60; Killdeer, 36; Wilson's Snipe, 2; Least Sandpiper, 31; Mourning Dove, 557 (450 est., 157); Inca Dove, 6; Road-runner, 9; Horned Owl, 1; Belted Kingfisher, 2; Red-shafted Flicker, 15; Gila Woodpecker, 13; Ladder-backed Woodpecker, 4; Black Phoebe, 12; Say's Phoebe, 19; Gray Flycatcher, 1; Western Flycatcher, 1 (observed closely with 8X glasses in both morning and afternoon, extreme greenish color noted, also persistent "peep—peep—peep" note; has been previously recorded in area during winter); Vermilion Flycatcher, 6; Tree Swallow, 88; Common Raven, 5; Verdin, 13; House Wren, 7; Bewick's Wren, 3; Long-billed Marsh Wren, 11; Rock Wren, 1; Mockingbird, 27; Crissal Thrasher, 9; Am. Robin, 18; Hermit Thrush, 1; Mountain Bluebird, 132; Black-tailed Gnatcatcher, 1; Ruby-crowned Kinglet, 12; Water Pipit, 57; Phainopepla, 56; Loggerhead Shrike, 21; Orange-crowned Warbler, 7; Audubon's Warbler, 35; Common Yellowthroat, 3; House Sparrow, 58; Western Meadowlark, 22; Yellow-headed Blackbird, 1; Red-winged Blackbird, 5717 (5440 est., 277); Brewer's Blackbird, 1076 (1050 est., 26); Brown-headed Cowbird, 64; Purple Finch, 1; House Finch, 4; Lesser Goldfinch, 2; Green-tailed Towhee, 2; Abert's Towhee, 30; Savannah Sparrow, 57; Vesper Sparrow, 5; Lark Sparrow, 54; Sage Sparrow, 1; Slate-colored Junco, 1 (carefully observed; typical, no brownish nor pinkish, head gray); Oregon Junco, 6; Chipping Sparrow, 73; Brewer's Sparrow, 149; White-crowned Sparrow, 2501 (1890 est., 611); Lincoln's Sparrow, 38; Song Sparrow, 11. **Total,** 80 species; about 11,671 individuals.—Gale Monson.

**403. Santa Catalina Mts., Ariz.** (usual area; pine-fir forest 18%, chaparral 2%, live oak woods 6%, foothill canyons 18%, desert and washes 2%, ranches and ponds 43%, cottonwood-mesquite bottomland 11%).—Dec. 23; 3:15 a.m. to 5:35 p.m. Mostly clear; temp. 30° to 65° at foot of mts., but min. 47° in oak belt; calm; 2-in. snow at highest altitudes. Fourteen observers in 7 parties, plus brief observations by three others (same areas). Total party-hours, 45 (43 on foot, 2 by car); total party-miles, 220± (29 on foot, about 190 by car). Great Blue Heron, 1; Green Heron, 3; Am. Bittern or night heron, 1; duck (sp.), 24; Redhead, 5; Ring-necked Duck, 7; Sharp-shinned Hawk, 1; Cooper's Hawk, 3; Red-tailed Hawk, 10; Marsh Hawk, 2; Sparrow Hawk, 8; Gambel's Quail, 83+; Virginia Rail, 1; Sora, 1; Am. Coot, 31; Killdeer, 42; Wilson's Snipe, 6; Mourning Dove, 136; Ground Dove, 3; Inca Dove, 20; Horned Owl, 6; White-throated Swift, 17; Belted Kingfisher, 1; Red-shafted Flicker, 42+; Gilded Flicker, 5+; Gila Woodpecker, 56+; Acorn Woodpecker, 8; Yellow-bellied Sapsucker, 3; Williamson's Sapsucker, 1; Hairy Woodpecker, 3; Ladder-backed Woodpecker, 9+; Arizona Woodpecker, 4; Black Phoebe, 12; Say's Phoebe, 6; Vermilion Flycatcher, 6; Horned Lark, 2; Steller's Jay, 4; Scrub Jay, 3; Arizona Jay, 69+; Common Raven, 3; Mountain Chickadee, 6; Bridled Titmouse, 2; Verdin, 33; White-breasted Nuthatch, 2; Red-breasted Nuthatch, 1 (at foot of mts., B.C., K.C., V.R.); Pygmy Nuthatch, 8; Brown Creeper, 1; House Wren, 7; Bewick's Wren, 4; Cactus Wren, 20; Long-billed Marsh Wren, 3; Canyon Wren, 3; Rock Wren, 7; Mockingbird, 5; Bendire's Thrasher, 2; Curve-billed Thrasher, 37; Crissal Thrasher, 1; Am. Robin, 258+; Hermit Thrush, 5; Western Bluebird, 13; Mountain Bluebird, 3; Townsend's Solitaire, 10; Blue-gray Gnatcatcher, 4 (plus 9 unidentified gnatcatchers); Ruby-crowned Kinglet, 72; Water Pipit, 134+; Cedar Waxwing, 16; Phainopepla, 27; Loggerhead Shrike, 4; Hutton's Vireo, 1; Solitary Vireo (Cassin's), 2; Orange-crowned Warbler, 4; Olive Warbler, 1; Myrtle Warbler, 2 (H.G., A.P.); Audubon's Warbler, 62; House Sparrow, 75+; Western Meadowlark, 37 (±1; plus 140+ unidentified meadowlarks); Yellow-headed Blackbird, 4; Red-winged Blackbird, 75 (est.); oriole (sp), 1 (E.G., H.G., J.G., A.P.); Brewer's Blackbird, 132 (125 est., 7); Brown-headed Cowbird, 150 (est.); Cardinal, 31; Pyrrhuloxia, 5; House Finch, 120+; Pine Siskin, 3; Am. Goldfinch, 6; Lesser Goldfinch, 2; Lawrence's Goldfinch, 4; Green-tailed Towhee, 3; Spotted Towhee, 4; Brown

Towhee, 50 (±1); Abert's Towhee, 9; Vesper Sparrow, 1; Lark Sparrow, 40+; Rufous-crowned Sparrow, 40 (±2); Oregon Junco, 45 (±5; includes 10 *mearnsi*); Gray-headed Junco, 52; Arizona Junco, 6; Chipping Sparrow, 25; Brewer's Sparrow, 2; Black-chinned Sparrow, 10; White-crowned Sparrow (Gambel's), 65+; Lincoln's Sparrow, 4; Song Sparrow (Mountain), 5. **Total,** 103 species (1 additional subspecies); about 2563+ individuals. (Birds scarce nearly everywhere, or more scattered than in drier years.)—Mr. and Mrs. A. H. Anderson, G. Bradt, H. E. Broadbooks, R. Catsiff, Mr. and Mrs. B. Cole, K. Dyer, Mr. and Mrs. J. Gates, H. S. Gray, J. T. Marshall, M. J. Nichols, I. Peters, A. R. Phillips, V. Ramsdell, R. B. Streets (Bird Club of Tucson Natural History Society, Tucson Audubon Society).

**404. Tucson, Ariz.** (15-mile diameter along Santa Cruz River, including Indian Dam, Midvale Farms, City Farms (Sewage Treatment Plant) Rincon Stock Farm, Kellner's Ranch, Lakeside; arboreal desert 70%, fields 10%, grasslands 15%, hedgerows 5%, small ponds).—Dec. 29; 8 a.m. to 5:30 p.m. Hazy clouds in a.m., p.m. clear; temp. 58° to 70° wind SE, 3 m.p.h. Eighteen observers in 5 parties. Total party-hours, 37½ (33½ on foot, 4 by car); total party-miles, 54½ (18½ on foot, 36 by car). Double-crested Cormorant, 7; Great Blue Heron, 1; Green Heron, 1; Mallard, 2; Black Vulture, 19; Sharp-shinned Hawk, 3; Cooper's Hawk, 1; Red-tailed Hawk, 5; unidentified buteo, 1; Marsh Hawk, 13; Sparrow Hawk, 26; Gambel's Quail, 126; Am. Coot, 7; Killdeer, 45; Least Sandpiper, 1; Mourning Dove, 640; Ground Dove, 7; Inca Dove, 71; Road-runner, 8; Screech Owl, 1; hummingbird (sp.), 1; Belted Kingfisher, 1; Red-shafted Flicker, 34; Gilded Flicker, 17; Gila Woodpecker, 54; Yellow-bellied Sapsucker, 4; Ladder-backed Woodpecker, 12; Beardless Flycatcher, 1; Black Phoebe, 16; Say's Phoebe, 32; Vermilion Flycatcher, 3; Common Raven, 3; Verdin, 31; White-breasted Nuthatch, 2; House Wren, 7; Bewick's Wren, 2; Cactus Wren, 32; Long-billed Marsh Wren, 2; Rock Wren, 3; Mockingbird, 15; Bendire's Thrasher, 5; Palmer Curve-billed Thrasher, 43; Crissal Thrasher, 6; Am. Robin, 104; Hermit Thrush, 2; Mountain Bluebird, 42; Blue-gray Gnatcatcher, 6; Ruby-crowned Kinglet, 17; Water Pipit, 49; Phainopepla, 12; Loggerhead Shrike, 45; Orange-crowned Warbler, 1; Audubon's Warbler, 48; House Sparrow, 165; Eastern Meadowlark, 8; Western Meadowlark, 259; Yellow-headed Blackbird, 2897; Red-winged Blackbird, 4329; Brewer's Blackbird, 1756; Brown-headed Cowbird, 3; Cardinal, 50; Pyrrhuloxia, 34; House Finch, 366; Pine Siskin, 2; Lesser Goldfinch, 4; Lawrence's Goldfinch, 53; Green-tailed Towhee, 1; Brown Towhee (Cañon), 7; Abert's Towhee, 28; Lark Bunting, 115; Vesper Sparrow, 8; Lark Sparrow, 144; Black-throated Sparrow (Desert), 1; Sage Sparrow, 2 (observed with 6X B. & L. glass at close range, both sitting and running over the ground with tail tilted; among scattered sage-type bushes, scrubby trees, open sandy stretches; have 4 other records, one near this spot—Mrs. R.J.T.); Chipping Sparrow, 5; Brewer's Sparrow, 5; White-crowned Sparrow (Gambel's), 378; Fox Sparrow, 1; Lincoln's Sparrow, 1; Song Sparrow, 12. **Total,** 79 species; 12,271 individuals. —F. C. Bair, W. G. Barnes, Wm. H. Carr, Ruth Catsiff, Bruce Cole, Mr. and Mrs. Jas. Gates, Thornton Hays, Mr. and Mrs. Randolph Jenks, Ivan Peters, Daniel Post, A. W. Rodgers, Mr. and Mrs. Hugh Sloan, Mr. and Mrs. R. J. Thornburg, Lester Young (Tucson Audubon Society).

**405. Orcas Island (San Juan Co.), Wash.** (Deer Harbor, West Sound, East Sound, North Beach, and Mt. Constitution up to 1600 ft.; sheltered and open salt water; 3 fresh water lakes; open farm land; first and second growth Douglas Fir forest).—Dec. 30; 7:15 a.m. to 5:30 p.m. Bright sunshine; temp. 18° to 26°; wind NE, 25 m.p.h.; light snow underfoot; ponds 90% frozen. Seven observers in 1 party. Total party-hours, 10¼ (3 on foot, 7¼ by car); total party-miles, 52 (10 on foot, 42 by car). Common Loon, 6; Arctic Loon, 15; Red-necked Grebe, 2; Horned Grebe, 235; Western Grebe, 650; Pied-billed Grebe, 1; Double-crested Cormorant, 6; Brandt's Cormorant, 30; Great Blue Heron, 2; Mallard, 5; Gadwall, 3; Am. Widgeon, 98; Ring-necked Duck, 6; Greater Scaup, 180; Lesser Scaup, 15; Am. Golden-eye, 196; Buffle-head, 450; Old-squaw, 2; Harlequin Duck, 4; White-winged Scoter, 700; Surf Scoter, 450; Ruddy Duck, 1; Hooded Merganser, 1; Red-breasted Merganser, 40; Rough-legged Hawk, 1; Bald Eagle, 2; Ruffed Grouse, 2; California Quail, 30; Am. Coot, 25; Killdeer, 7; Spotted Sandpiper, 1; Red-backed Sandpiper, 3; Glaucous-winged Gull, 350; Western Gull, 1; Herring Gull, 30; California Gull, 55; Ring-billed Gull, 1; Short-billed Gull, 2; Bonaparte's Gull, 2; Common Murre, 4; Pigeon Guillemot, 21; Marbled Murrelet, 4; Belted Kingfisher, 2; Red-shafted Flicker, 10; Pileated Woodpecker, 1; Common Raven, 2; Northwestern Crow, 72; Black-capped Chickadee, 6; Chestnut-backed Chickadee, 44; Red-breasted Nuthatch, 6; Brown Creeper, 8; Winter Wren, 3; Am. Robin, 96; Varied Thrush, 32; Golden-crowned Kinglet, 9; House Sparrow, 8; Western Meadowlark, 1; Brewer's Blackbird, 3; Red Crossbill, 12; White-winged Crossbill, 1; Spotted Towhee, 124; Oregon Junco, 680; Lincoln's Sparrow, 8; Song Sparrow, 68. **Total,** 64 species; 4835 individuals.—Frank P. Mathews, Alison M. Mathews, Christopher Mathews, Stephen Mathews, Sylvia Mathews, Emeline Mathews, Eleanor Mathews.

**406. Seattle, Wash.** (7½-mile radius centering on 1st and Yesler, omitting business district and closely settled areas, and including shores of Puget Sound, lakes Washington and Green, Medina-Mercer Island area; woods and brush 15%, lakes and lake shore 30%, salt water near shore 25%, fields and parkway 10%, marsh 10%, suburban 10%).—Dec. 30; 9 a.m. to 5 p.m. Clear; temp. 25° to 28°; wind NNE, 15-35 m.p.h.; ½-1 in. crusted snow, scattered cirrus clouds. Fifty-one observers in 18 parties. Total party-hours, 106 (96 on foot, 7 by car, 3 by canoe); total party-miles, 112 (77 on foot, 30 by car, 5 by canoe).

Common Loon, 2; Red-necked Grebe, 22; Horned Grebe, 62; Eared Grebe, 4; Western Grebe, 65; Pied-billed Grebe, 10; Double-crested Cormorant, 20; Brandt's Cormorant, 7; Pelagic Cormorant, 1; Great Blue Heron, 7; Am. Bittern, 3; Canada Goose, 34; Mallard, 1235; Gadwall, 25; Am. Widgeon, 1969 (part. est.); Pintail, 70; Green-winged Teal, 454; Shoveller, 133; Wood Duck (?), 2; Ring-necked Duck, 2; Canvas-back, 9; Greater Scaup, 392; Lesser Scaup, 252; Am. Golden-eye, 143; Barrow's Golden-eye, 1; Buffle-head, 71; White-winged Scoter, 128; Surf Scoter, 195; Ruddy Duck, 73; Hooded Merganser, 11; Am. Merganser, 60; Red-breasted Merganser, 57; Sharp-shinned Hawk, 1; Red-tailed Hawk, 1; Marsh Hawk, 1; Pigeon Hawk, 3; Sparrow Hawk, 4; California Quail, 87; Ring-necked Pheasant, 19; Am. Coot, 1676; Killdeer, 62; Wilson's Snipe, 15; Spotted Sandpiper, 1; Red-backed Sandpiper, 58; Dowitcher, 10; Sanderling, 114; Glaucous-winged Gull, 2076; Western Gull, 2; Herring Gull, 214; California Gull, 80; Ring-billed Gull, 88; Short-billed Gull, 697; Bonaparte's Gull, 387; Pigeon Guillemot, 1; Ancient Murrelet, 3; Band-tailed Pigeon, 31; Belted Kingfisher, 1; Yellow-shafted Flicker, 1; Red-shafted Flicker, 55; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 3; Downy Woodpecker, 12; Steller's Jay, 18; Northwestern Crow, 150; Black-capped Chickadee, 239; Chestnut-backed Chickadee, 26; Common Bushtit, 250; Red-breasted Nuthatch, 3; Brown Creeper, 7; Winter Wren, 7; Bewick's Wren, 20; Am. Robin, 1837; Varied Thrush, 20; Western Bluebird, 4; Townsend's Solitaire, 2; Golden-crowned Kinglet, 25; Ruby-crowned Kinglet, 6; Water Pipit, 11; Bohemian Waxwing, 4 (W.M.H.); Cedar Waxwing, 141; Myrtle Warbler, 20 (V.C.); Audubon's Warbler, 15; House Sparrow, 253; Western Meadowlark, 19; Red-winged Blackbird, 78; Brewer's Blackbird, 138; Evening Grosbeak, 28; Purple Finch, 38; Pine Siskin, 30 (G.E.); Am. Goldfinch, 131; Spotted Towhee, 121; Slate-colored Junco, 2; Oregon Junco, 589; White-crowned Sparrow, 1; Golden-crowned Sparrow, 2; Fox Sparrow, 5; Song Sparrow, 239. **Total,** 96 species (1 additional subspecies); about 15,750 individuals. [Seen on Mercer Is. Dec. 24: 1 Western Tanager (W.R.R.)]—Helen Anderson, Mrs. P. J. Ater, Mrs. H. Baird, Ernest Beatty, J. J. Beaufort, C. S. Berriman, W. M. & Mrs. Boggs, Mrs. R. Brattain, A. J., Jean & Kathryn Bricker, Mrs. J. L. Butler, Violet Cannon, Mrs. C. R. Chadwick, K. C. Clark, J. W. & Mrs. Clise, E. B. & Mrs. Cole, Mrs. J. I. Colwell, Marjorie Converse, Garrett Eddy, Mr. & Mrs. Albert Forsman, J. Frost, J. G. & Mrs. Grove, Isobel Guthrie, W. M. Hagenstein, Mrs. Neil Haig, H. W. Higman, Doris Jelliffe, Bernice Jennings, Arlene Judd, Mrs. W. W. Kautz, Mrs. H. A. Langenham, Mrs. Earl Larrison, Mrs. O. A. Olson, Warren Palmer, Mr. & Mrs. Glen Privat, Mr. W. R. Rathbun, Hugh Spurr, W. H. Taylor, Winifred Weter, Grant Wilcox, Mrs. J. F. Wilhite, Mr. & Mrs. Ross Woodward and son John (compiled by Martha R. Flahaut).

**407. Spokane, Wash.** (same as last year.—Dec. 30; 8:30 a.m. to 3:30 p.m. Stormy; temp. 20° to 16°; wind E, 15 to 5 m.p.h.; 20 inches snow on ground—semi-blizzard. Twenty-seven observers in 12 parties. Total party-hours, 72; total party-miles, 183 (35 on foot, 148 by car). Horned Grebe, 1; Pied-billed Grebe, 2; Great Blue Heron, 3; Canada Goose, 1; Mallard, 1750; Gadwall, 2; Am. Widgeon, 22; Pintail, 7; Green-winged Teal, 8; Redhead, 3; Ring-necked Duck, 187; Canvas-back, 4; Lesser Scaup, 234; Am. Golden-eye, 14; Buffle-head, 3; Am. Merganser, 141; Sharp-shinned Hawk, 4; Cooper's Hawk, 1; European Partridge, 14; California Quail, 190; Ring-necked Pheasant, 161; Am. Coot, 1; Wilson's Snipe, 2; California Gull, 3; Flammulated Owl, 1; Belted Kingfisher, 4; Red-shafted Flicker, 48; Pileated Woodpecker, 3; Hairy Woodpecker, 5; Downy Woodpecker, 5; Am. Magpie, 39; Northwestern Crow, 1; Clark's Nutcracker, 2; Black-capped Chickadee, 84; White-breasted Nuthatch, 5; Red-breasted Nuthatch, 49; Pygmy Nuthatch, 125; Am. Dipper, 2; Am. Robin, 819; Hermit Thrush, 1; Townsend's Solitaire, 7; Golden-crowned Kinglet, 38; Bohemian Waxwing, 2447 (part. est.); Cedar Waxwing, 15; House Sparrow, 492; Evening Grosbeak, 116; House Finch, 4; Am. Goldfinch, 8; Red Crossbill, 81; Oregon Junco, 367; Fox Sparrow, 1; Song Sparrow, 58. **Total,** 52 species; 7585 individuals.—Jim Acton, Mrs. A. I. Buchecker, Mattie Burke, Mr. & Mrs. Archie Clough, Marie Coyne, Paul Dix, Mr. & Mrs. M. C. Hagen, Mrs. R. N. Hamblen, Mrs. A. H. Hobbs, Anne Merager, Irene Hunt, Mr. & Mrs. Geo. W. Morrow, Earl Pettibone, Mrs. Cora Roberts, Mr. & Mrs. Stephen O. Stanley, Mrs. Paul A. Schultz, Harry Thompson, Mrs. Chas. Tietgen, Theo. Turner, Jack Turner, Alma Walker, Mr. & Mrs. Wm. B. Wright (compiler).

**408. Eugene, Oreg.** (7½-mile radius including the Eugene and Fern Ridge Reservoir areas, same as for past 8 years; pasture 20%, orchards and fields 20%, city 10%, evergreen forests 15%, mixed woods 15%, river borders 5%, mud flat 10%, open lake 5%).—Dec. 30; 9 a.m. to 5 p.m. Cloudy; temp. 28° to 41°; wind SW to W, 2-8 m.p.h.; ground wet, .017 in. soft snowfall. Twenty-two observers in 12 parties. Total party-hours, 82 (54 on foot, 28 by car); total party-miles, 146 (42 on foot, 104 by car). Pied-billed Grebe, 2; Great Blue Heron, 9; Canada Goose, 5113 (5000 est., 113) (mixed Common Canada and White-cheeked); Mallard, 426; duck (sp.), 1400; Am. Widgeon, 26; Pintail, 129; Green-winged Teal, 2; Shoveller, 1; Wood Duck, 8; Redhead, 2; Lesser Scaup, 103; Ruddy Duck, 2; Am. Merganser, 9; Cooper's Hawk, 3; Red-tailed Hawk, 5; Bald Eagle, 2; Pigeon Hawk, 4; Sparrow Hawk, 22; Blue Grouse, 1; Ruffed Grouse, 2; Mountain Quail, 7; Ring-necked Pheasant, 48; Am. Coot, 11; Killdeer, 1192; **Wilson's Snipe,** 91; Least Sandpiper, 4; Red-backed Sandpiper, 463; California Gull, 4; Ring-billed Gull, 1; gull (sp.), 2; Barn Owl, 2; Short-eared Owl, 1; Belted Kingfisher, 2; Red-shafted Flicker, 106; Acorn Woodpecker, 22; Lewis's Woodpecker, 7; Hairy Woodpecker, 2; Downy Woodpecker, 7; Horned Lark, 103; Steller's Jay, 34; Scrub Jay, 11; Common Raven, 2; Am. Crow, 830; Black-

capped Chickadee, 81; Chestnut-backed Chickadee, 12; Common Bushtit, 10; White-breasted Nuthatch, 6; Red-breasted Nuthatch, 7; Brown Creeper, 6; Winter Wren, 11; Bewick's Wren, 2; Am. Robin, 965; Varied Thrush, 78; Olive-backed Thrush, 1 (studied at 10 yards by L. L. D.; had size, uniform coloring above and buffy eye-ring of summering Olive-back; did not flit the tail or raise and lower the wings as is common with Hermit Thrushes, but is subject to question since there is no previous winter record for the State); Hermit Thrush, 2; Western Bluebird, 19; Golden-crowned Kinglet, 63; Ruby-crowned Kinglet, 6; Water Pipit, 188; Cedar Waxwing, 87; **Common Starling,** 102; Audubon's Warbler, 2; House Sparrow, 267; Western Meadowlark, 63; Red-winged Blackbird, 163; Brewer's Blackbird, 1041; Brown-headed Cowbird, 25 (carefully compared with associating Brewer's Blackbirds—B.B., H.V.J.); Evening Grosbeak, 278; Purple Finch, 62; House Finch, 40; Red Crossbill, 4; Spotted Towhee, 47; Savannah Sparrow, 40; Vesper Sparrow, 62 (B.B., H.V.J.) [extraordinary number for this date—Ed.] Slate-colored Junco, 4; Oregon Junco, 929; White-crowned Sparrow, 6; Golden-crowned Sparrow, 36; Fox Sparrow, 13; **Lincoln's Sparrow,** 29; Song Sparrow, 45. **Total,** 80 species (1 additional subspecies); about 15,025 individuals. (Seen in area Dec. 23: Pileated Woodpecker, 1; Yellow-bellied Sapsucker, 2; Oregon Jay, 3; Am. Goldfinch, 16.)—Rhoda Banks, Bob Bayly, David Brown, Mrs. C. E. Croson, L. L. Daggett, R. L. Darby, Mrs. Freeman Day, Catherine Dunlop, Florence Fulton, Richard Goheen, C. S. Gregor, H. V. Johnson, Helen K. Kilpatrick, Mrs. H. B. Merrell, Mrs. E. R. Meisenholder, Olga E. Minick, Hal Pruitt, Ben H. Pruitt (compiler), J. L. Reynolds, Geo. F. Saunders, Floy Travis, Mrs. Russell Yockey (Natural History Society of Eugene).

**409. Klamath Falls, Oreg.** (area same as last year plus road count to Crater Lake and Modoc Lava Beds; open fields 20%, marsh 11%, pine and fir forest 14%, juniper and lava 18%; lake and river 35%; residential 2%).—Dec. 30; 9 a.m. to 3 p.m. Overcast; temp. 20° to 26°; wind NNW, 2-16 m.p.h.; ground covered with 3-30-in. snow on valley floor and up to 100 in. in high mts.; ponds and lakes frozen, rivers open. Twelve observes in 5 parties. Total party-hours, 22 (3 on foot, 19 by car); total party-miles, 179½ (2½ on foot, 177 by car). Common Loon, 1; Eared Grebe, 12; Western Grebe, 2; Pied-billed Grebe, 47; Double-crested Cormorant, 5; Great Blue Heron, 4; Am. Egret, 1; Black-crowned Night Heron, 4; Canada Goose, 16; White-fronted Goose, 5; Mallard, 33; Gadwall, 52; Am. Widgeon, 38; Pintail, 9; Shoveller, 32; Ring-necked Duck, 2; Canvas-back, 4; Lesser Scaup, 206; Am. Golden-eye, 150; Buffle-head, 102; Ruddy Duck, 913; Hooded Merganser, 8; Am. Merganser, 10; unidentified ducks, 15; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 16; Swainson's Hawk, 2 [?—Ed.]; Rough-legged Hawk, 5; Golden Eagle, 5; Bald Eagle, 4; Marsh Hawk, 7; Prairie Falcon, 7; Pigeon Hawk, 1; Sparrow Hawk, 6; unidentified hawks, 3; California Quail, 277; Mountain Quail, 30; Ring-necked Pheasant, 301; Am. Coot, 190; Wilson's Snipe, 1; Ring-billed Gull, 4; Mourning Dove, 1; Screech Owl, 2; Horned Owl, 4; Pygmy Owl, 1; Belted Kingfisher, 3; Red-shafted Flicker, 7; Hairy Woodpecker, 1; White-headed Woodpecker, 3; Horned Lark, 14; Steller's Jay, 46; Scrub Jay, 1; Am. Magpie, 123; Common Raven, 2; Piñon Jay, 38; Clark's Nutcracker, 5; Mountain Chickadee, 61; Common Bushtit, 87; White-breasted Nuthatch, 3; Red-breasted Nuthatch, 1; Pygmy Nuthatch, 1; Am. Dipper, 1; Long-billed Marsh Wren, 6; Am. Robin, 2; Mountain Bluebird, 17; Townsend's Solitaire, 4; Loggerhead Shrike, 1; House Sparrow, 714; Western Meadowlark, 23; Yellow-headed Blackbird, 13; Red-winged Blackbird, 125; Brewer's Blackbird, 3061; House Finch, 125; Spotted Towhee, 1; Slate-colored Junco, 2; Oregon Junco, 239; Fox Sparrow, 1; Song Sparrow, 6; Lapland Longspur, 9 (T.C.H.). **Total,** 79 species; 7281 individuals.—Frank McCormack, Mrs. Bert Gray, Lou Hallock, Thomas C. Horn, Helen M. Horn, Nancy Horn, Margery Horn, Gene Kridler, Ray Knox, Kenneth McLeod, Jr. (compiler), J. L. O'Donahue, Mrs. Frank Strahan (Nature Society of the Klamath Region).

**410. Portland, Oreg.** (15-mile diameter, same as 1938 and subsequent counts, brushy lowlands 10%, fir woodlands 10%, deciduous woodlands 10%, lakes and rivers 20%, farmlands 20%, residential areas 30%).—Dec. 30; 8 a.m. to 5 p.m. Snow flurries; temp. 30° to 40°; wind E, 0-12 m.p.h.; light snow covering except in lowlands. Sixty-six observers in 16 parties. Total party-hours, 130 (86 on foot, 44 by car); total party-miles, 382 (92 on foot, 290 by car). Pied-billed Grebe, 9; Double-crested Cormorant, 118; Great Blue Heron, 20; Green Heron, 4; Black-crowned Night Heron, 2; Canada Goose, 10; Mallard, 1633; Gadwall, 48; European Widgeon, 2; Am. Widgeon, 6510; Pintail, 314; Green-winged Teal, 82; Shoveller, 15; Ring-necked Duck, 12; Canvas-back, 1; Lesser Scaup, 43; Buffle-head, 42; Ruddy Duck, 37; Hooded Merganser, 3; Am. Merganser, 44; unidentified ducks, 987; Sharp-shinned Hawk, 8; Cooper's Hawk, 1; Red-tailed Hawk, 16; Sparrow Hawk, 10; Ruffed Grouse, 1; Ring-necked Pheasant, 68; Am. Coot, 698; Killdeer, 32; Wilson's Snipe, 24; Spotted Sandpiper, 2; Glaucous-winged Gull, 236; Herring Gull, 412; California Gull, 178; Ring-billed Gull, 14; Short-billed Gull, 1231; unidentified gulls, 4425; Band-tailed Pigeon, 15; Screech Owl, 3; Belted Kingfisher, 8; Red-shafted Flicker, 181; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 5; Downy Woodpecker, 86; Gray Jay, 2; Steller's Jay, 34; Scrub Jay, 5; Am. Crow, 907; Black-capped Chickadee, 502; Chestnut-backed Chickadee, 47; Common Bushtit, 476; White-breasted Nuthatch, 10; Red-breasted Nuthatch, 12; Brown Creeper, 16; Winter Wren, 20; Bewick's Wren, 32; Am. Robin, 1961; Varied Thrush, 79; Hermit Thrush, 7; Olive-backed Thrush, 1 (W.H.C.) [observer said to be positive of the identification, but details were not furnished.—Ed.]; Townsend's Solitaire, 10; Golden-crowned Kinglet, 220; Ruby-crowned Kinglet, 27; Water Pipit, 49; Cedar Wax-

wing, 90; Gray Shrike, 2; Common Starling, 1; Hutton's Vireo, 5; Audubon's Warbler, 16; House Sparrow, 687; Western Meadowlark, 4; Red-winged Blackbird, 62; Brewer's Blackbird, 491; Evening Grosbeak, 17; Purple Finch, 422; House Finch, 131; Pine Siskin, 715; Am. Goldfinch, 655; Lesser Goldfinch, 9; Red Crossbill, 8; Spotted Towhee, 131; Savannah Sparrow, 3; Oregon Junco, 2030; White-crowned Sparrow, 7; Golden-crowned Sparrow, 117; Fox Sparrow, 14; Song Sparrow, 739. **Total,** 85 species; about 28,365 individuals.—Dr. & Mrs. Theodore W. Adams, Gerald Beebe, Charles Beebe, Mrs. Frank Blakeslee, L. Christen, Forrest J. Cobb, Richard Cobb, James Cobb, Dr. & Mrs. Norman Coleman, Mr. & Mrs. W. H. Crowell, Harold Gilbert, Mrs. Leon Goldsmith, Nancy Goldsmith, Margaret Goldsmith, Dennis Graham, W. E. Griffee, Mrs. Carroll Higgins, Mrs. W. B. Holden, Carl Jacobsen, Mr. & Mrs. H. C. Judd, E. A. Kelham, Urban Kubat, Kenneth Leatherman, Norbert Leupold, P. E. Lewis, Tom McAllister, LeForest McCroskey, Brian McNab, Esther Maegly, Mr. & Mrs. C. L. Marshall (compiler), Mr. & Mrs. Earl A. Marshall, Robert Millette, T. T. Munger, Osgood Munger, Susie Nicholson, Alva Oakes, Louis Oberon, Clinton Peterson, Arthur Platt, Guy R. Ramsey, Fred Ramsey, George D. Ruby, John Sargent, Lawrence Schramm, N. G. Seaman, Mr. & Mrs. Leo F. Simon, Henry Steinbrugge, Charlotte Sunnel, Walter Thompson, Garry Thompson, Merle Tillotson, Thomas Tinner, Mrs. Arthur Watson, Don Wattenberger, O. E. Wheeler, Isabel Wildes, Joyce Wildes, Mr. & Mrs. J. W. C. Williams.

411. **Big Bear Lake, Calif.** (same as previous 10 years; parts of a 15-mile circle centering near Bertha Peak in San Bernardino Mts., about 3 miles NNE of Big Bear Lake P.O., extending to Box H Springs in desert to bottom of Santa Anita Canyon near Seven Oaks; 3500-7200 ft. elevation; coniferous forest 37%, mountain lakes 12%, mountain meadow 7%, piñon-jupiter association 7½%, sage brush 1½%, creosote bush association 10%, desert willow and cottonwood 7%, alders, oaks, and canyon streams 6%, chaparral 12%.)—Dec. 22; 12 md. to 12 md. Clear; snow 2 in. to 0, disappearing; temp. 15° (night) to 45° (day); wind 0-10 m.p.h.; perimetric half of Big Bear Lake frozen over; water low in Big Bear and Erwin Lakes; Baldwin Lake dry. Ten observers in 3 parties. Total party-hours, 20 (10 on foot, 10 by car); total party-miles, 60 (10 on foot, 50 by car). Great Blue Heron, 2; Canada Goose, 30; Mallard, 2; Am. Widgeon, 6; Pintail, 5; Shoveller, 15; Red-tailed Hawk, 4; Rough-legged Hawk, 1 (Mr. & Mrs. J.H.C., J.T. seen closely 2 times); Golden Eagle, 6; Bald Eagle, 1; Prairie Falcon, 1; Am. Coot, 3000; Road-runner, 1; Horned Owl, 1; Red-shafted Flicker, 21; Acorn Woodpecker, 10; Williamson's Sapsucker, 1♂; Hairy Woodpecker, 2; White-headed Woodpecker, 4; Steller's Jay, 100; Scrub Jay, 1; Common Raven, 1; Piñon Jay, 150; Clark's Nutcracker, 17; Mountain Chickadee, 28; White-breasted Nuthatch, 8; Pygmy Nuthatch, 38; Brown Creeper, 1; Bewick's Wren, 2; Rock Wren, 1; Mockingbird, 3; Am. Robin, 10; Western Bluebird, 1; Ruby-crowned Kinglet, 5 (1 at 7000 ft.); Water Pipit, 50; Loggerhead Shrike, 1; Audubon's Warbler, 5; House Sparrow, 49; Spotted Towhee, 4 (at 7000 ft.); Lark Sparrow, 6; Oregon Junco, 28; Chipping Sparrow, 1; White-crowned Sparrow, 135; Song Sparrow, 1. **Total,** 44 species; about 3759 individuals.—J. H. Comby (compiler), Mrs. J. H. Comby, Miss Leoti Fisher, Patrick Gould, David Gordon, Bill Hawkins, Clara Pflager, John Tramontano, Mrs. J. Vaughn, Marjorie Walker.

412. **Fresno, Calif.** (same area as since 1943: area 5 miles in diameter at Lane's Bridge on San Joaquin River, ten miles north of Fresno in San Joaquin Valley; open plains 20%, river bottom of San Joaquin and thickets along both sides of river, and narrow pond one mile long 80%).—Dec. 26; 7:15 a.m. to 5:30 p.m. Overcast in a.m. and clear in p.m. with little wind; temp. 44° to 68°; One observer. Total hours, 10; total miles, 21 (5 on foot, 16 by car). Pied-billed Grebe, 5; Great Blue Heron, 3; Am. Egret, 4; Am. Bittern, 1; Canada Goose, 1478 (including Common Canada, 1061; Lesser Canada, 416; Cackling, 1); Mallard, 62; Cooper's Hawk, 2; Red-tailed Hawk, 11; Red-shouldered Hawk, 3; Marsh Hawk, 2; Sparrow Hawk, 6; California Quail, 80; Florida Gallinule, 5; Am. Coot, 60; Killdeer, 12; Spotted Sandpiper, 1; Greater Yellow-legs, 17; Least Sandpiper, 29; Mourning Dove, 35; Belted Kingfisher, 4; Acorn Woodpecker, 1; Nuttall's Woodpecker, 2; Red-shafted Flicker, 20; Black Phoebe, 6; Say's Phoebe, 3; Horned Lark, 1015; Scrub Jay, 18; Am. Crow, 3; Plain Titmouse, 8; Common Bushtit, 20; House Wren, 3; Bewick's Wren, 3; Rock Wren, 4; Mockingbird, 15; Calif. Thrasher, 1; Western Bluebird, 11; Ruby-crowned Kinglet, 12; Water Pipit, 25; Phainopepla, 2; Loggerhead Shrike, 4; Audubon's Warbler, 5; House Sparrow, 11; Western Meadowlark, 28; Red-winged Blackbird, 3; Brewer's Blackbird, 98; Brown-headed Cowbird, 1; House Finch, 58; Am. Goldfinch, 500 (est.); Lesser Goldfinch, 42; Spotted Towhee, 16; Brown Towhee, 8; Savannah Sparrow, 108; Vesper Sparrow, 5; Lark Sparrow, 25; Oregon Junco, 61; White-crowned Sparrow, 450 (est.); Golden-crowned Sparrow, 4; Lincoln's Sparrow, 7; Song Sparrow, 7. **Total,** 59 species (2 additional subspecies); about 4433 individuals.—W. B. Minturn.

413. **Los Angeles, Calif.** (same area as 1937 and subsequent years; city streets 2%, residential areas with lawns & trees 41%, parks, cemeteries, etc. 8%, open grassy areas 5%, brushy slopes and chaparral 23%, wooded areas 5%, flooded fields 1%, reservoirs & ponds 4%, marshes 4%, shore and ocean 7%).—Dec. 30; 7 a.m. to 5:30 p.m. Moderate continuous rain becoming intermittent in p.m. along coast, and by late p.m. inland; temp. 52° dropping to 42°, wind NW 20-25 m.p.h., becoming 45 m.p.h. along coast after 2 p.m. with frequent gusts to 55 m.p.h.; continuous rain for 36 hrs. preceding count flooded roads preventing coverage of some important areas; low-lying fields in Baldwin Hills-Playa del Rey section were under water. One hundred and six observers included 85 observers in 35 parties afield, and 21 observers watching yards. Total party-hours, 274

(only 99 afield on foot due to rain, 126 afield by car, 49 at yards); total party-miles, 801 (114 on foot, 687 by car). Arctic Loon, 2; Red-throated Loon, 2; unidentified loon, 1; Horned Grebe, 13; Eared Grebe, 84; Western Grebe, 164; Pied-billed Grebe, 20; shearwater (sp.), 1 (too far out at sea to identify—Small); Brown Pelican, 51; Double-crested Cormorant, 14; Brandt's Cormorant, 1; Pelagic Cormorant, 3; unidentified cormorant, 3; Great Blue Heron, 18; Am. Egret, 28; Snowy Egret, 38; Green Heron, 4; Black-crowned Night Heron, 63; Brandt, 1; Mallard, 5; Gadwall, 2; Am. Widgeon, 148; Pintail, 744; Green-winged Teal, 293; Cinnamon Teal, 1; Shoveller, 262; Redhead, 1; Ring-necked Duck, 11; Canvas-back, 42; Lesser Scaup, 598; Buffle-head, 8; White-winged Scoter, 5; Surf Scoter, 323; Ruddy Duck, 76; Hooded Merganser, 1 (♀ in view for ½ hour on small pond; yellowish merganser bill and reddish flattened crest definitive—B.M.H.); Am. Merganser, 4; Red-breasted Merganser, 67; Turkey Vulture, 5; White-tailed Kite, 2; Sharp-shinned Hawk, 8; Cooper's Hawk, 8; Red-tailed Hawk, 38, Marsh Hawk, 4; Prairie Falcon, 1; Peregrine Falcon, 2; Sparrow Hawk, 73, unidentified falcon, 1; California Quail, 277, Am. Coot, 1085; Snowy Plover, 7; Ringed Plover, 50; Killdeer, 211; Black-bellied Plover, 854; Surf-bird, 36; Ruddy Turnstone, 1; Black Turnstone, 32; Long-billed Curlew, 2; Hudsonian Curlew, 9; Spotted Sandpiper, 4; **Willet,** 6623; Greater Yellow-legs, 1; Least Sandpiper, 15; Red-backed Sandpiper, 254; Dowitcher, 365; Western Sandpiper, 198; Marbled Godwit, 287; Sanderling, 416; Am. Avocet, 169; Black-necked Stilt, 5; Glaucous-winged Gull, 95; Western Gull, 234; Herring Gull, 30; California Gull, 3762; Ring-billed Gull, 1705; Short-billed Gull, 3; Bonaparte's Gull, 2107; Heermann's Gull, 123; unidentified gull, 956; Forster's Tern, 22; Mourning Dove, 458; Spotted Dove, 241; Ringed Turtle Dove, 139; Road-runner, 4; Barn Owl, 2; Horned Owl, 2; Short-eared Owl, 1; **Black-chinned Hummingbird,** 1 (♂ at feeding station observed 6-8 feet at leisure; seen regularly since count—Bleitz); Anna's Hummingbird, 125; Belted Kingfisher, 6; Red-shafted Flicker, 163; Acorn Woodpecker, 1; Yellow-bellied Sapsucker, 4 (2 red-breasted, 2 red-naped; latter are regular visitors to yards of observers familiar with race—Bleitz, G. H.); Downy Woodpecker, 2; Nuttall's Woodpecker, 7; Black Phoebe, 128; Say's Phoebe, 6; Steller's Jay, 1; Scrub Jay, 302; Am. Crow, 17; Mountain Chickadee, 1; Plain Titmouse, 42; Common Bushtit, 653; Brown Creeper, 1; Wrentit, 268; House Wren, 10; Bewick's Wren, 29; Cactus Wren, 1; Long-billed Marsh Wren, 7; Canyon Wren, 1; Rock Wren, 1; Mockingbird, 399; California Thrasher, 104; **Am. Robin,** 3316 (exceptionally numerous this winter; found by 27 parties); Hermit Thrush, 110; Blue-gray Gnatcatcher, 17; Golden-crowned Kinglet, 4; Ruby-crowned Kinglet, 61; Water Pipit, 208; Cedar Waxwing, 260; Loggerhead Shrike, 45; Hutton's Vireo, 10; Orange-crowned Warbler, 9; Audubon's Warbler, 2145; Townsend's Warbler, 6; Common Yellowthroat, 7; Black-capped Warbler, 1; House Sparrow, 1146; Western Meadowlark, 402; Red-winged Blackbird, 184; Tricolored Blackbird, 2; oriole (sp.), 1 (watched at feeding station; identified as female or juvenile Hooded or Bullock's Oriole by size, color and bill proportions—Bleitz); Brewer's Blackbird, 1993; unidentified blackbird, 30; Brown-headed Cowbird, 6; **Black-headed Grosbeak,** 1 (♀ resident at feeding station since mid-November, possibly attracted by caged male raised in captivity and kept in view of feeding table—N.K.); Purple Finch, 228; Cassin's Finch, 4; House Finch, 2860; Am. Goldfinch, 51; Lesser Goldfinch, 250; unidentified goldfinch, 5; **Green-tailed Towhee,** 1 (heard giving characteristic mewing call by observer quite familiar with species in breeding range—P.G.); Spotted Towhee, 98; Brown Towhee, 720; Savannah Sparrow, 60 (3 Western, 56 Belding's, 1 Large-billed); Grasshopper Sparrow, 12; Lark Sparrow, 51; Rufous-crowned Sparrow, 5; Slate-colored Junco, 1 (H.C.); Oregon Junco, 401; Chipping Sparrow, 199; White-crowned Sparrow, 1515; Golden-crowned Sparrow, 302; Fox Sparrow, 35; Lincoln's Sparrow, 5; Song Sparrow, 219. **Total,** 150 species (3 additional subspecies); 43,295 individuals. (Seen in area Dec. 21; 1 ♂ Old-squaw—G.H.; seen in area just before and after count date: Common Raven, 2 at UCLA—R.P.)—C. Allen, H. & E. Anderson, H. Andrews, Mrs. M. Baldwin, Mrs. S. Barker, H. & D. Baxter, C. Beasley, A. & D. Berry, D. Bleitz, S. Brode, E. Brothers, Mrs. J. Burch, K. Burden, D. Bush, D. Clark, D. Cogan, H. Cogswell, E. Craig, J. Cunningham, R. Curry, H. Damert, C. Daugherty, G. & M. DeMay, E. Dobbins. J. Dobson, M. Driver, M. Dunlap, N. Dunn, Mr. & Mrs. H. Eckler, D. Elsebusch, R. Farnham, C. Fiscus, L. Fisher, H. Foster, J. Frederick, B. Fuller, A. Gamero, D. Getz, H. Graves, B. Green, D. Groner, P. Gould, Mr. & Mrs. G. Hastings, B. Hawkins, L. Herbst, M. Hirose, B. M. Hoffman, M. Hood, F. Hutchins, N. Hutt, H. Isham, Mrs. T. Jahn, R. Kahn, E. Kennedy, W. Kent, Mr. & Mrs. N. Kittinger, A. Krieger, W. Lasky, M. Lewis, P. Lindau, J. Lindeberg, E. Lockwood, R. Mall, E. Maule, N. & M. McFarland, H. McIntyre, R. & M. McNary, Mr. & Mrs. J. Morain, E. Peterson, C. Pflager, B. Pope; R. Pyle, Mrs. G. Robeson, J. & E. Russell, M. Salmon, J. Samuelson, E. Schwartz, C. Shaw, D. Shepherd, A. Small, N. Spencer, C. Splitter, A. Stultz, R. Taylor, J. Tramontano, R. Van Nakin, M. Wait, M. Warrick, D. Watkins, C. Weedmark, L. Wendt, B. Wilby, R. Williams, G. Woods, V. Yrineo (Los Angeles Audubon Society, Santa Monica Nature Club, Southwest Bird Study Club).

414. **Marysville, Calif.** (center of town including public parks-1 mile; unimproved portion of Ellis Lake in outlying district within city limits of Marysville-1 mile; north and northeast of Marysville along irrigated farm lands-8 miles; south of Marysville in tule and rice fields-5 miles; 25% foothill area; 20% town suburbs; 55% open farm land).—Dec. 30; 7 a.m. to 5 p.m. Clear; temp. 42° to 38°; wind N to NW, 15 m.p.h. Eleven observers in 3 parties. Total party-hours, 32 (5 on foot, 27 by car); total party-miles, 267 (7 on foot, 260 by car). Pied-billed Grebe, 7; Great Blue Heron, 5; Am. Egret, 26; Snowy Egret,

2; Black-crowned Night Heron, 17; Canada Goose, 343; Snow Goose, 129; Mallard, 97; Pintail, 68; Shoveller, 23; Turkey Vulture, 13; Red-tailed Hawk, 8; Marsh Hawk, 16; Pigeon Hawk, 3; Sparrow Hawk, 26; California Quail, 180; Ring-necked Pheasant, 53; Am. Coot, 3434; Snowy Plover, 20; Killdeer, 540; Band-tailed Pigeon, 51; Mourning Dove, 23; Burrowing Owl, 3; Saw-whet Owl, 2; Red-shafted Flicker, 21; Acorn Woodpecker, 13; Lewis's Woodpecker, 2; Hairy Woodpecker, 1; Nuttall's Woodpecker, 2; Horned Lark, 25; Scrub Jay, 10; Yellow-bellied Magpie, 288; Am. Crow, 759; Plain Titmouse, 1; Common Bushtit, 30; Mockingbird, 21; Am. Robin, 32; Western Bluebird, 16; Mountain Bluebird, 12; Ruby-crowned Kinglet, 2; Water Pipit, 554; Cedar Waxwing, 200; Phainopepla, 1; Loggerhead Shrike, 5; Hutton's Vireo, 6; Audubon's Warbler, 35; House Sparrow, 358; Western Meadowlark, 1414; Red-winged Blackbird, 62; Tricolored Blackbird, 1; Brewer's Blackbird, 8173; Purple Finch, 52; House Finch, 955; Am. Goldfinch, 59; Spotted Towhee, 26; Brown Towhee, 15; Savannah Sparrow, 50; Lark Sparrow, 50; Slate-colored Junco, 10; Oregon Junco, 93; Am. Tree Sparrow, 7 [no details—Ed.]; White-crowned Sparrow, 983; Golden-crowned Sparrow, 180; Song Sparrow, 11. **Total,** 64 species; 19,624 individuals.—Gertrude Cable, Tunia Vandenbout, Bessie Lamberskin, Leona Van Antwerp, Jack Dunning, Helen Dunning, Myrtle Newcomb, Lenore Stafford, Free Clark, Elizabeth Witt, Ellen McGuire.

**415. Monterey Peninsula, Calif.** (6 mile radius centering on Devil's Hill, including same area as 1949-50 counts; ocean and exposed bays 11%, river-mouth lagoon 4%, beaches 5%, ponds and tule swamps 13%, rocky shore 15%, open fields 9%, brushland 4%, Monterey pine woodland 20%, live oak woodland 3%, golf courses 2%, gardens and village streets 3%, cypress grove 4%, redwoods 3%, deciduous woodland 4%).—Dec. 27; 7 a.m. to 7 p.m. Partly cloudy; temp. 51° to 60°; wind S, 15-30 m.p.h.; ground bare, Seven observers in 4 parties. Total party-hours, 26 (23 on foot, 3 by car); total party-miles, 20 (16 on foot, 4 by car). Common Loon, 2; Arctic Loon, 5; Red-throated Loon, 1; Horned Grebe, 19; Eared Grebe, 39; Western Grebe, 43; Pied-billed Grebe, 6; Fulmar, 1; Brown Pelican, 215; Double-crested Cormorant, 1; Brandt's Cormorant, 229; Pelagic Cormorant, 23; Great Blue Heron, 1; Black-crowned Night Heron, 3; Brant, 1; Mallard, 39; Am. Widgeon, 6; Pintail, 55; Green-winged Teal, 26; Cinnamon Teal, 2; Shoveller, 70; Ring-necked Duck, 19; Canvas-back, 67; Lesser Scaup, 14; Am. Golden-eye, 5; Buffle-head, 4; White-winged Scoter, 36; Surf Scoter, 50; Ruddy Duck, 51; Red-breasted Merganser, 56; Sharp-shinned Hawk, 2; Red-tailed Hawk, 8; Red-shouldered Hawk, 3; Marsh Hawk, 2; Sparrow Hawk, 10; California Quail, 21; Virginia Rail, 3; Sora, 1; Florida Gallinule, 2; Am. Coot, 374; Black Oyster-catcher, 16; Snowy Plover, 10; Killdeer, 7; Surf-bird, 12; Black Turnstone, 38; Wilson's Snipe, 1; Hudsonian Curlew, 1; Spotted Sandpiper, 3; Willet, 40; Least Sandpiper, 27; Sanderling, 36; Glaucous-winged Gull, 66; Western Gull, 70; Herring Gull, 13; California Gull, 147; Short-billed Gull, 181; Bonaparte's Gull, 1; Heermann's Gull, 40; Common Murre, 1; Ancient Murrelet, 4; Rhinocerous Auklet, 2; Band-tailed Pigeon, 4; Mourning Dove, 2; Barn Owl, 3; Anna's Hummingbird, 4; Belted Kingfisher, 4; Yellow-shafted Flicker, 1; Red-shafted Flicker, 14; Acorn Woodpecker, 22; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 10; Downy Woodpecker, 2; Black Phoebe, 17; Say's Phoebe, 5; Tree Swallow, 5; Steller's Jay, 3; Scrub Jay, 13; Yellow-billed Magpie, 1; Am. Crow, 7; Chestnut-backed Chickadee, 75; Plain Titmouse, 3; Common Bushtit, 101; Pygmy Nuthatch, 60; Brown Creeper, 9; Wren-tit, 26; House Wren, 2; Winter Wren, 7; Bewick's Wren, 13; Long-billed Marsh Wren, 3; California Thrasher, 1; Am. Robin, 51; Hermit Thrush, 10; Western Bluebird, 3; Blue-gray Gnatcatcher, 10; Ruby-crowned Kinglet, 45; Water Pipit, 66; Loggerhead Shrike, 4; Hutton's Vireo, 7; Orange-crowned Warbler, 2; Audubon's Warbler, 101; Townsend's Warbler, 6; Common Yellowthroat, 4; House Sparrow, 10; Western Meadowlark, 161; Red-winged Blackbird, 59; Brewer's Blackbird, 392; Purple Finch, 6; House Finch, 163; Am. Goldfinch, 3; Spotted Towhee, 13; Brown Towhee, 3; Savannah Sparrow, 16; Oregon Junco, 27; White-crowned Sparrow, 97; Golden-crowned Sparrow, 25; Fox Sparrow, 3; Lincoln's Sparrow, 2; Song Sparrow, 11. **Total,** 118 species; 3948 individuals. (Seen in area Dec. 26: Bald Eagle, 1; Hermit Warbler, 1—seen almost daily at food tray since Dec. 9—L.W.)—R. P. Parsons, C. Carmalt, Charles Agle, Florence Morrow, Ken Legg, F. S. L. Williamson, Laidlaw Williams (compiler).

**416. Morro Bay, Calif.** (circle centered 6½ miles due east of Morro Bay Village including ocean beach and rocky coast north of Morro Rock, Toro Creek Canyon, shore of Morro Bay from northern end south through Baywood Park, White Point, Morro Bay State Park, Cuesta by the Sea to southwestern corner of Morro Bay, Calif. State Highway 466 from Atascadero to Morro Bay including Atascadero Lake, road from Cuesta by the Sea to San Luis Obispo and including Laguna Lake and surrounding marsh; sandy beach and adjacent ocean 13%, dune scrub 1%, rocky shore 6%, salicornia marsh 3%, tidal mudflat and estuaries 35%, open farmland 5%, plowed fields 2%, willow-bordered river bottom 3%, chaparral 2%, fresh-water lakes and marsh 17%, brushy fields 3%, live oak-sycamore woodland 7%, deciduous oak-digger pine woodland 3%).—Dec. 26; 6:45 a.m. to 5:30 p.m. Few high clouds; temp. 45° to 65°; wind light and variable; ground and ground cover slightly wet from rain previous night; marshes and mudflats at Morro Bay exposed by very low tide (-1.5 feet) throughout late a.m. and all p.m. Two observers in one party. Total hours 10¾ (5 by car and 5¾ by foot); total miles, 77 (6 on foot, 71 by car). Common Loon, 3; Arctic Loon, 2; Red-throated Loon, 4; unidentified loons, 28; Horned Grebe, 18; Eared Grebe, 21; Western Grebe, 97 (80± 10, 17); Pied-billed Grebe, 8; White Pelican, 250 (±10); Brown

Pelican, 16; Double-crested Cormorant, 29; Brandt's Cormorant, 4; Pelagic Cormorant, 5; unidentified cormorants, 28; Great Blue Heron, 34; Am. Egret, 8; Snowy Egret, 9; Black-crowned Night Heron, 3; Brant (Black), **13,500** (±200) (see below); Am. Widgeon, 1015 (1000± 50, 15); Pintail, 351 (300 ±20, 51); Green-winged Teal, 281 (250 ±30, 31); Shoveller, 25; Redhead, 11; Ring-necked Duck, 6; Canvas-back, 146; Lesser Scaup, 59; Buffle-head, 26; **Harlequin Duck,** 1 (a male in fine plumage studied 150 yards offshore through 10X binoculars); White-winged Scoter, 39; Surf Scoter, 255 (250 ±20, 5); Ruddy Duck, 156 (100 ±20, 56); Am. Merganser, 1; Red-breasted Merganser, 8; Turkey Vulture, 7; White-tailed Kite, 2; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 8; Red-shouldered Hawk, 3; Marsh Hawk, 1; Sparrow Hawk, 20; California Quail, 22; Sora, 1; Am. Coot, 1537 (1500 ±200, 37); Snowy Plover, 2; Killdeer, 8; Black-bellied Plover, 413 (400 ±50, 13); Surf-bird, 8; Black Turnstone, 15; Long-billed Curlew, 47; Hudsonian Curlew, 2; Willet, 1273 (1200 ±200, 73); Greater Yellow-legs, 3; Least Sandpiper, 42; Red-backed Sandpiper, 2; Dowitcher, 43; Western Sandpiper, 112; unidentified small sandpipers, 1900 (±100); Marbled Godwit, 4566 (4500 ±300, 66); unidentified large shorebirds, 1800 (±100); Sanderling, 105 (100 ±20, 5); Am. Avocet, 165 (150 ±20, 15); Glaucous-winged Gull, 61; Western Gull, 232 (200 ±20, 32); Herring Gull, 5; California Gull, 11; Ring-billed Gull, 1253 (1200 ±100, 53); Short-billed Gull, 1; Heermann's Gull, 11; unidentified gulls (Calif., Western, Ring-billed), 450 (±50); Forster's Tern, 3; Royal Tern, 4; Mourning Dove, 3; White-throated Swift, 36; Anna Hummingbird, 2; Belted Kingfisher, 4; Red-shafted Flicker, 4; Acorn Woodpecker, 43; Yellow-bellied Sapsucker (Red-breasted), 1; Downy Woodpecker, 2; Nuttall's Woodpecker, 2; Black Phoebe, 9; Say's Phoebe, 7; Horned Lark, 1; Scrub Jay, 31; Yellow-billed Magpie, 16; Am. Crow, 56; Plain Titmouse, 14; Bush-tit, 36; Wren-tit, 4; Bewick's Wren, 3; Long-billed Marsh Wren, 2; Canyon Wren, 1; Rock Wren, 2; Mockingbird, 1; California Thrasher, 3; Am. Robin, 11; Hermit Thrush, 1; Western Bluebird, 111; Blue-gray Gnatcatcher, 3; Ruby-crowned Kinglet, 4; Am. Pipit, 17; Cedar Waxwing, 4; Loggerhead Shrike, 12; Audubon's Warbler, 22; House Sparrow, 4; Western Meadowlark, 326; Red-winged Blackbird, 1057 (1000 ±100, 57); Brewer's Blackbird, 479 (450 ±20, 29); Brown-headed Cowbird, 75 (±10); Purple Finch, 7; House Finch, 507 (500 ±50, 7); Pine Siskin, 2; Am. Goldfinch, 2; Lesser Goldfinch, 3; Spotted Towhee, 12; Brown Towhee, 32; Savannah Sparrow, 1; Lark Sparrow, 1; Oregon Junco, 59; White-crowned Sparrow, 552 (500 ±50, 52); Golden-crowned Sparrow, 111 (100 ±10, 11); Lincoln's Sparrow, 1; Song Sparrow, 8. **Total,** 120 species; about 34,294 individuals. Also 1 Common Murre and 1 Rhinocerous Auklet found freshly dead on beach near Morro Rock. The great increase in Brant over previous years was undoubtedly due to the conclusion of the hunting season 2 days prior to the count. During the censuses of previous years, the Brant were no doubt forced to roost far out on the ocean by excessive shooting on Morro Bay.—Robert L. Pyle, Arnold Small.

**417. Oakland, Calif.** (same area as 1949 count omitting Tilden Nature Area; bay shore with salt marsh and mud flats 25%, fresh water marsh 14%, campus and city parks 16%, alder-bordered creek bottom 5%, chaparral 15%, canyons wooded with oak, Redwood, Madroña 25%).—Dec. 29; 6:30 a.m. to 5:30 p.m. Overcast and cold, several light showers in a.m.; temp. 48° to 56°; wind NW to NNW, 10-20 m.p.h. Twenty-four observers in 8 parties. Total party-hours, 101 (89 on foot, 12 by car); total party-miles, 175¾ (49¼ on foot, 126½ by car). Arctic Loon, 2; Horned Grebe, 37; Eared Grebe, 97; Western Grebe, 202; Pied-billed Grebe, 24; White Pelican, 10; Brown Pelican, 6; Double-crested Cormorant, 17; Great Blue Heron, 25; Am. Egret, 14; Black-crowned Night Heron, 9; Whistling Swan, 1 (K.S., R.W.); Canada Goose, 520 (est).; Mallard, 632 (est.); Gadwall, 2 (A.L.C.); Am. Widgeon, 2143 (est.); Pintail, 443 (est.); Shoveller, 19; Wood Duck, 8; Ring-necked Duck, 36; Canvas-back, 946 (est.); Greater Scaup, 1; Lesser Scaup, 174 (est.); unidentified scaup, 2800 (est.); Am. Golden-eye, 144; Buffle-head, 26; White-winged Scoter, 138 (est.); Surf Scoter, 81; unidentified scoters, 1400 (est.); Ruddy Duck, 11,445 (est.); Hooded Merganser, 3; Am. Merganser, 78; Red-breasted Merganser, 20; unidentified ducks mostly scaup and scoter, 8000 (est.); Turkey Vulture, 3; Sharp-shinned Hawk, 3; Cooper's Hawk, 3; Red-tailed Hawk, 47; Sparrow Hawk, 48; California Quail, 255; Clapper Rail, 5; Am. Coot, 3692 (est.); Snowy Plover, 2; Ringed Plover, 32; Killdeer, 99; Black-bellied Plover, 198 (est.); Ruddy Turnstone, 2; Long-billed Curlew, 15; Hudsonian Curlew, 7; Willet, 1586 (est).; Least Sandpiper, 54; Red-backed Sandpiper, 167 (est.); Western Sandpiper, 7465 (est.); unidentified sandpipers, 860 (est.); Marbled Godwit, 548 (est.); Sanderling, 1052 (est.); Am. Avocet, 5000 (est.); Glaucous-winged Gull, 4457 (est.); Western Gull, 303 (est.); Herring Gull, 167 (est.); California Gull, 823 (est.); Ring-billed Gull, 439 (est.); Short-billed Gull, 151 (est.); Bonaparte's Gull, 178 (est.); Forster's Tern, 98; Band-tailed Pigeon, 65; Mourning Dove, 20; Road-runner, 1 (R.G.); Burrowing Owl, 1; Short-eared Owl, 13; Anna's Hummingbird, 28; Belted Kingfisher, 2; Red-shafted Flicker, 122; Acorn Woodpecker, 23; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 3; Downy Woodpecker, 7; Nuttall's Woodpecker, 3; Black Phoebe, 14; Say's Phoebe, 1; Horned Lark, 11; Steller's Jay, 43; Scrub Jay, 183; Am. Crow, 1; Chestnut-backed Chickadee, 29; Plain Titmouse, 59; Common Bushtit, 323 (est.); White-breasted Nuthatch, 8; Red-breasted Nuthatch, 12; Brown Creeper, 3; Wren-tit, 29; Winter Wren, 9; Bewick's Wren, 6; Mockingbird, 5; California Thrasher, 2; Am. Robin, 584; Varied Thrush, 39; Hermit Thrush, 23; Western Bluebird, 104; Golden-crowned Kinglet, 6; Ruby-crowned Kinglet, 34; Water Pipit, 155; Cedar Waxwing, 82; Loggerhead

Shrike, 23; Hutton's Vireo, 17; **Warbling Vireo,** 1 (very exceptional record; positively observed at 10-15 ft. by R. Norris and D. Johnston; details to be published in *The Condor*); Myrtle Warbler, 2; Audubon's Warbler, 129; Townsend's Warbler, 3; House Sparrow, 492 (est.); Western Meadowlark, 145; Red-winged Blackbird, 56; Brewer's Blackbird, 844 (est.); Purple Finch, 12; House Finch, 283 (est.); Pine Siskin, 209 (est.); Am. Goldfinch, 8; Lesser Goldfinch, 41; Spotted Towhee, 41; Brown Towhee, 228; Savannah Sparrow, 119; Rufous-crowned Sparrow, 2; Oregon Junco, 595; White-crowned Sparrow, 790; Golden-crowned Sparrow, 101; Fox Sparrow, 17; Song Sparrow, 137. **Total,** 123 species; 50,552 individuals (+15,942 unidentified). (One Green Heron in Area Dec. 20; also a Phainopepla Dec. 21, 22, 23, 26, 27, 30.)—Betty L. Adamson, Harry C. Adamson, Enid K. Austin, Richard Bailey, Darl Bowers, Paul Covel, A. Laurence Curl, Hallie Curl, Mrs. L. Dunlap, Luther Dunlap, Ronald Goodwin, David Johnston, Richard F. Johnston, Junea W. Kelly, Robert A. Norris, Robert Pope, Russel H. Pray, Kenneth Schulz, Octavia E. Sousa, Leland Stallcup, Robert Traxal, Evelyn Van Scyoc, Marjorie Van Scyoc, Robert Will.

**418. Oceanside-Carlsbad-Vista, Calif.** (Maxton Brown Bird Refuge and vicinity, within 15-mile diameter; brackish marsh 60%, seashore 20%, open fields 20%).—Dec. 29; 7:45 a.m. to 4:30 p.m. Light rain all day; temp. 54° to 58°; wind S, 1-5 m.p.h. Eight observers in 2 parties. Total party-hours, 16 (13 on foot, 3 by car); total party-miles, 52 (8 on foot, 44 by car). Arctic Loon, 1; Red-throated Loon, 1; Horned Grebe, 7; Eared Grebe, 9; Western Grebe, 36; Pied-billed Grebe, 6; Brown Pelican, 4; Double-crested Cormorant, 2; Great Blue Heron, 2; Am. Egret, 9; Snowy Egret, 32; Pintail, 402; Green-winged Teal, 178; Shoveller, 48; Lesser Scaup, 24; Surf Scoter, 4; Ruddy Duck, 290; White-tailed Kite, 2; Red-tailed Hawk, 3; Red-shouldered Hawk, 1; Sparrow Hawk, 16; California Quail, 34; Black Rail, 2; Am. Coot, 701; Snowy Plover, 24; Ringed Plover, 12; Killdeer, 72; Black-bellied Plover, 15; Willet, 16; Least Sandpiper, 150; Red-backed Sandpiper, 17; Dowitcher, 12; Western Sandpiper, 645; Marbled Godwit, 2; Sanderling, 33; Am. Avocet, 3; Western Gull, 72; Herring Gull, 16; Ring-billed Gull, 269; Heermann's Gull, 34; Forster's Tern, 49; Common Tern, 6; Mourning Dove, 12; Spotted Dove, 9; Anna's Hummingbird, 5; Belted Kingfisher, 1; Red-shafted Flicker, 11; Western Kingbird, 3; Black Phoebe, 21; Say's Phoebe, 5; Scrub Jay, 3; Common Raven, 1; Common Bushtit, 70; Wren-tit, 1; House Wren, 1; Bewick's Wren, 2; Long-billed Marsh Wren, 2; Mockingbird, 5; Am. Robin, 42; Western Bluebird, 354; Mountain Bluebird, 71; Ruby-crowned Kinglet, 9; Cedar Waxwing, 3; Loggerhead Shrike, 11; Orange-crowned Warbler, 6; Audubon's Warbler, 586; Common Yellowthroat, 28; House Sparrow, 100; Western Meadowlark, 123; Red-winged Blackbird, 50; Brewer's Blackbird, 500; House Finch, 2197; Lesser Goldfinch, 62; Lawrence's Goldfinch, 6; Spotted Towhee, 2; Brown Towhee, 36; Savannah Sparrow, 120 (including 8 Beldings); Lark Sparrow, 140; Black-chinned Sparrow, 1; White-crowned Sparrow, 2428; Song Sparrow, 71. **Total,** 81 species (1 additional subspecies); about 10,359 individuals. (Observed in area Dec. 30, flock of 95 Cedar Waxwings.)—Maud Coble, L. Claire Hulbert, Mary E. Hulbert, Clara Jones, Lou Jones, Arnold Lane, Vanche Plumb, Louis B. Weaver (Buena Vista Audubon Society).

**419. Orange Co. (central and coastal), Calif.** (Seal Beach to Corona del Mar, inland to Santa Ana, all within 15-mile diameter; ocean 10%, salt marsh 40%, fields 30%, grasslands 10%, urban 10%).—Dec. 27; 7 a.m. to 5 p.m. Fog to clear; temp. 38° to 60°; wind SW, 0-5 m.p.h.; ground wet. Six observers in 2 parties. Total party-hours, 20 (12 on foot, 8 by car); total party-miles, 93 (14 on foot, 79 by car). Common Loon, 2; Arctic Loon, 1; Red-throated Loon, 19; Horned Grebe, 8; Eared Grebe, 43; Western Grebe, 164; Pied-billed Grebe, 20; Brown Pelican, 56; Double-crested Cormorant, 11; Great Blue Heron, 20; Am. Egret, 64; Snowy Egret, 26; Canada Goose, 1; Am. Widgeon, 19; Pintail, 97; Lesser Scaup, 33; White-winged Scoter, 1; Surf Scoter, 242; Ruddy Duck, 56; Am. Merganser, 4; Red-breasted Merganser, 8; Turkey Vulture, 5; White-tailed Kite, 5; Cooper's Hawk, 1; Red-tailed Hawk, 4; Ferruginous Hawk, 1; Golden Eagle, 1; Marsh Hawk, 11; Sparrow Hawk, 28; Ring-necked Pheasant, 2; Sandhill Crane, 1 (present since Nov. 5); Am. Coot, 236; Snowy Plover, 12; Ringed Plover, 3; Killdeer, 132; Black-bellied Plover, 173; Black Turnstone, 1; Wilson's Snipe, 4; Long-billed Curlew, 113; Spotted Sandpiper, 2; Wandering Tattler, 1 (same area as last year); Willet, 464; Greater Yellow-legs, 3; Lesser Yellow-legs, 11; Least Sandpiper, 665; Red-backed Sandpiper, 314; Dowitcher, 161; Western Sandpiper, 721; Marbled Godwit, 851; Sanderling, 85; Am. Avocet, 74; Glaucous-winged Gull, 13; Western Gull, 386; Herring Gull, 67; California Gull, 121; Ring-billed Gull, 603; Bonaparte's Gull, 6; Heermann's Gull, 96; Black-legged Kittiwake, 1; Forster's Tern, 84; Common Tern, 10; Mourning Dove, 5; Spotted Dove, 6; Road-runner, 1; Burrowing Owl, 2; Short-eared Owl, 5; Anna's Hummingbird, 9; Red-shafted Flicker, 2; Black Phoebe, 3; Say's Phoebe, 4; Horned Lark, 437; Scrub Jay, 2; Am. Crow, 13; Wren-tit, 1; House Wren, 3; Bewick's Wren, 10; Long-billed Marsh Wren, 1; Mockingbird, 9; California Thrasher, 3; Am. Robin, 3; Mountain Bluebird, 75; Blue-gray Gnatcatcher, 1; Ruby-crowned Kinglet, 2; Water Pipit, 232; Cedar Waxwing, 20; Loggerhead Shrike, 19; Audubon's Warbler, 39; Common Yellowthroat, 4; House Sparrow, 71; Western Meadowlark, 139; Red-winged Blackbird, 80; Brewer's Blackbird, 1229; House Finch, 429; Am. Goldfinch, 1; Lesser Goldfinch, 20; Lawrence's Goldfinch, 14; Spotted Towhee, 1; Brown Towhee, 25; Savannah Sparrow, 124 (including Belding's, 5); White-crowned Sparrow, 237; Golden-crowned Sparrow, 4; Lincoln's Sparrow, 2; Song Sparrow, 39. **Total,** 105 species (1 additional subspecies): 9698 individuals.—Mrs. O. C.

Johnson, Arnold Lane, Vanche Plumb, Alice Zimmerman, Fern Zimmerman (Orange County Bird Club).

**420. Orange County (Northeastern), Calif.** (same area as last year).—Dec. 29; 8:15 a.m. to 4:30 p.m. Light rain & showers but visibility good; temp. 42° to 58°; wind SE, 1-5 m.p.h. Four observers in 1 party. Total party-hours, 8¼ (1 on foot, 7¼ by car); total party-miles, 83½ (½ on foot, 83 by car). Canada Goose, 1; Red-tailed Hawk, 2; Red-shouldered Hawk, 2; Sparrow Hawk, 12; California Quail, 114; Am. Coot, 1; Killdeer, 11; Mourning Dove, 7; Black-chinned Hummingbird, 1; Acorn Woodpecker, 3; Williamson's Sapsucker, 1; Black Phoebe, 4; Say's Phoebe, 2; Horned Lark, 4; Scrub Jay, 3; Am. Crow, 14; Plain Titmouse, 1; Mockingbird, 4; Brown Thrasher, 2; California Thrasher, 2; Am. Robin, 161; Hermit Thrush, 1; Western Bluebird, 7; Mountain Bluebird, 28; Water Pipit, 14; Cedar Waxwing, 22; Loggerhead Shrike, 1; Hutton's Vireo, 1; Audubon's Warbler, 68; House Sparrow, 4; Western Meadowlark, 5; Brewer's Blackbird, 60; Purple Finch, 3; House Finch, 4; Lesser Goldfinch, 6; Spotted Towhee, 8; Brown Towhee, 14; Lark Sparrow, 46; Oregon Junco, 22; Chipping Sparrow, 140; White-crowned Sparrow, 178; Golden-crowned Sparrow, 6; Song Sparrow, 6. **Total,** 42 species; 993 individuals.—Eric E. Eastman, Margaret Harding (compiler), Harry L. Pritchard, Ruth Smith.

**421. Pasadena, Calif.** (same area as last year).—Dec. 27; 6 a.m. to 4 p.m. Clear; temp. 43° to 73°; wind NW to S, 3-10 m.p.h. Twenty-six observers in 12 parties. Total party-hours, 65 (60 on foot, 5 by car); total party-miles, 54 (40 on foot, 14 by car). Eared Grebe, 2; Pied-billed Grebe, 10; Great Blue Heron, 9; Am. Egret, 9; Green Heron, 6; Black-crowned Night Heron, 2; Mallard, 2; Green-winged Teal, 1; Cinnamon Teal, 1; Shoveller, 2; Ring-necked Duck, 25; Canvas-back, 39; Lesser Scaup, 6; Ruddy Duck, 2; Am. Merganser, 1; White-tailed Kite, 3; Sharp-shinned Hawk, 5; Cooper's Hawk, 2; Red-tailed Hawk, 11; Red-shouldered Hawk, 8; Prairie Falcon, 1; Pigeon Hawk, 2; Sparrow Hawk, 53; California Quail, 56; Ring-necked Pheasant, 6; Sora, 1; Florida Gallinule, 1; Am. Coot, 170; Killdeer, 188; Wilson's Snipe, 9; Greater Yellow-legs, 5; Glaucous-winged Gull, 1; California Gull, 25; Ring-billed Gull, 182; Band-tailed Pigeon, 49; Mourning Dove, 230; Spotted Dove, 114; Road-runner, 1; Screech Owl, 2; Horned Owl, 2; Burrowing Owl, 1; White-throated Swift, 24; Anna's Hummingbird, 48; Belted Kingfisher, 3; Red-shafted Flicker, 97; Acorn Woodpecker, 20; Hairy Woodpecker, 1; Downy Woodpecker, 9; Nuttall's Woodpecker, 7; Black Phoebe, 76; Say's Phoebe, 4; Western Flycatcher, 1 (observed in good light, feeding from a willow near a marshy place—E.M., S.J.); Horned Lark, 49; Steller's Jay, 18; Scrub Jay, 83; Am. Crow, 1137; Mountain Chickadee, 65; Plain Titmouse, 36; Common Bushtit, 528; White-breasted Nuthatch, 1; Red-breasted Nuthatch, 2; Wren-tit, 63; House Wren, 7; Bewick's Wren, 14; Long-billed Marsh Wren, 6; Canyon Wren, 3; Rock Wren, 2; Mockingbird, 85; California Thrasher, 9; Am. Robin, 771; Hermit Thrush, 25; Western Bluebird, 38; Mountain Bluebird, 5; Blue-gray Gnatcatcher, 22; Ruby-crowned Kinglet, 49; Water Pipit, 492; Cedar Waxwing, 179; Loggerhead Shrike, 133; Hutton's Vireo, 17; Orange-crowned Warbler, 8 (Lutescent, 3; Dusky, 5); Audubon's Warbler, 570; Black-throated Gray Warbler, 1 (E.M., S.J.); Common Yellowthroat, 35; House Sparrow, 431; Western Meadowlark, 346; Red-winged Blackbird, 729; Brewer's Blackbird, 490; Cardinal, 17; Purple Finch, 51; Cassin's Finch, 3; House Finch, 1739; Am. Goldfinch, 95; Lesser Goldfinch, 265; Spotted Towhee, 78; Brown Towhee, 203; Savannah Sparrow, 129; Lark Sparrow, 64; Oregon Junco, 220; Chipping Sparrow, 9; White-crowned Sparrow, 656; Golden-crowned Sparrow, 25; Fox Sparrow, 2; Lincoln's Sparrow, 15; Song Sparrow, 270. **Total,** 104 species (1 additional subspecies); 11,825 individuals.—Leta Adams, Arthur Barr, Mr. & Mrs. Harlan Eckler, Mr. & Mrs. J. H. Comby, Margaret Finninger, Pat Gould, Bill Hawkins, Robert Hays, Sara Jussen, Tommy Kerr, Myra Mercer, Enid Michael, Margueritte Parker, Lawrence Pellissier, Dan Quattlebaum (compiler), Charles Reynolds, Irma Rodgers, Francis Rolle, Alma Stultz, John Tramontano, May Wait, John Willis, Jessie Willman, Gertrude Woods.

**422. Pauma Valley (northern San Diego Co.), Calif.** (same as last year with addition of fields along Cole Grade Road and more chaparral. The area in San Luis Rey River bottom now cleared of natural growth and not yet producing pasture or alfalfa fields).—Dec. 29; 6:30 a.m. to 4:30 p.m. Heavy overcast with precipitation 75% of period; temp. 54° to 53°; wind variable, very light; lake low, creeks and river dry. Five observers in 3 parties. Total party-hours, 32 (23 on foot, 9 by car); total party-miles, 56½ (16½ on foot, 40 by car). Western Grebe, 1; Pied-billed Grebe, 4; Double-crested Cormorant, 21; Ruddy Duck, 54; Am. Merganser, 23; Cooper's Hawk, 2; Red-tailed Hawk, 10; Red-shouldered Hawk, 6; Ferruginous Hawk, 1 (Doner); Marsh Hawk, 4; Sparrow Hawk, 13; California Quail, 133 (115 est.); Am. Coot, 30; Ring-billed Gull, 65; Mourning Dove, 42; Road-runner, 2; Barn Owl, 3; Belted Kingfisher, 1; Red-shafted Flicker, 20; Acorn Woodpecker, 30; Yellow-bellied Sapsucker, 1; Downy Woodpecker, 1; Nuttall's Woodpecker, 1; Black Phoebe, 5; Say's Phoebe, 5; Horned Lark, 1 (Doner); Scrub Jay, 22; Am. Crow, 114 (65 est.); Plain Titmouse, 14; Wren-tit, 7; House Wren, 2; Bewick's Wren, 8; Mockingbird, 5; California Thrasher, 5; Am. Robin, 208; Hermit Thrush, 5; Western Bluebird, 171; Blue-gray Gnatcatcher, 6; Ruby-crowned Kinglet, 7; Water Pipit, 2; Cedar Waxwing, 7; Loggerhead Shrike, 1; Audubon's Warbler, 354; House Sparrow, 17; Western Meadowlark, 55; Red-winged Blackbird, 10; Brewer's Blackbird, 850; House Finch, 319; Lesser Goldfinch, 25; Lawrence's Goldfinch, 3; Spotted Towhee, 7; Brown Towhee, 54; Savannah Sparrow, 97; Lark Sparrow, 102; Rufous-crowned Sparrow, 2; Oregon Junco, 52;

White-crowned Sparrow, 547; Golden-crowned Sparrow, 12; Lincoln Sparrow, 1; Song Sparrow, 10. **Total,** 60 species; about 3580 individuals. (Seen in area Dec. 20 to 30: Killdeer, Anna's Hummingbird, Common Bushtit, Rock Wren, Orange-crowned Warbler, Sage Sparrow, Fox Sparrow.)—Mr. and Mrs. Millard J. Beemer, Mrs. Sidney S. Doner, Mr. and Mrs. Homer V. Sharpless.

423. **Sacramento, Calif.** (7½-mile radius centering at confluence of Sacramento and American Rivers; towns and suburbs 25%, open fields 60%, open water 7%, riparian woodland 5%, cattail marsh 3%).—Dec. 30; 7:30 a.m. to 5 p.m. Cloudy in a.m., clear in p.m.; temp. 47° to 50°; wind WSW, 17-25 m.p.h. Twenty-seven observers in 8 parties. Total party-hours, 56 (20 on foot, 36 by car); total party-miles, 270 (27 on foot, 243 by car). Pied-billed Grebe, 45; White Pelican, 11; Great Blue Heron, 51; Am. Egret, 108; Green Heron, 2; Black-crowned Night Heron, 700; Am. Bittern, 1; Whistling Swan, 60; Canada Goose, 500; White-fronted Goose, 250; Snow Goose, 2500; Ross, 2 (1 collected); Mallard, 5000; Am. Widgeon, 1500; Pintail, 55,000; Green-winged Teal, 80; Wood Duck, 1; Ring-necked Duck, 93; Canvas-back, 31; Lesser Scaup, 21; Ruddy Duck, 6; Turkey Vulture, 2; White-tailed Kite, 5; Sharp-shinned Hawk, 3; Cooper's Hawk, 5; Red-tailed Hawk, 31; Red-shouldered Hawk, 5; Marsh Hawk, 36; Sparrow Hawk, 137; California Quail, 116; Ring-necked Pheasant, 140; Florida Gallinule, 3; Am. Coot, 700; Killdeer, 450; Wilson's Snipe, 17; Greater Yellow-legs, 2; Dowitcher, 30; Western Sandpiper, 1; California Gull, 800; Ring-billed Gull, 60; Mourning Dove, 40; Barn Owl, 6; Horned Owl, 1; Burrowing Owl, 2; Short-eared Owl, 1; Belted Kingfisher, 9; Red-shafted Flicker, 230; Acorn Woodpecker, 20; Yellow-bellied Sapsucker, 2; Downy Woodpecker, 14; Nuttall's Woodpecker, 8; Black Phoebe, 25; Horned Lark, 115; Scrub Jay, 160; Yellow-billed Magpie, 330; Am. Crow, 312; Plain Titmouse, 15; Common Bushtit, 100; White-breasted Nuthatch, 15; Red-breasted Nuthatch, 1; Wren-tit, 1; House Wren, 1; Winter Wren, 1; Bewick's Wren, 12; Long-billed Marsh Wren, 10; Mockingbird, 30; Am. Robin, 700; Varied Thrush, 4; Hermit Thrush, 2; Western Bluebird, 40; Blue-gray Gnatcatcher, 1; Ruby-crowned Kinglet, 60; Water Pipit, 1300; Cedar Waxwing, 600; Loggerhead Shrike, 37; Orange-crowned Warbler, 3; Yellow Warbler, 1 (no details—Ed.); Audubon's Warbler, 1200; Black-throated Gray Warbler, 1; House Sparrow, 1800; Western Meadowlark, 670; Red-winged Blackbird, 360; Brewer's Blackbird, 6700; Brown-headed Cowbird, 2; Purple Finch, 30; House Finch, 1700; Am. Goldfinch, 470; Lesser Goldfinch, 240; Lawrence's Goldfinch, 15; Spotted Towhee, 100; Brown Towhee, 40; Savannah Sparrow, 4000 [no details to substantiate this unusual estimate; only 2 reported last year—Ed.]; Lark Sparrow, 16; Slate-colored Junco, 1; Oregon Junco, 700; White-crowned Sparrow, 1700; Golden-crowned Sparrow, 300; Fox Sparrow, 13; Lincoln's Sparrow, 1; Song Sparrow, 35. **Total,** 100 species; 92,808 individuals. Many more ducks and geese in flooded by-pass, but inaccessible for identification because of muddy roads and deep water.—Mrs. A. J. Argante, A. J. Argante, Tod Argante, Gene Christian, Georgia Borchart, Jack Dennison, Geo. Dobbins, Fred Evenden, Mrs. John Forbes, John Forbes, Barbara Graham, Celeste Johnson, Hilma Johnson, Mrs. Fritz Kaminsky, Mrs. Harold Kimball, Helen Kimball, William Kirsher, Mrs. Alfrieda Meuser, Mr. and Mrs. Kenneth McGilvray, Dean McBride, Edwin Pickett, Dennis Price, Genevieve Trousdale, Bruce Swinehart, J. Wanzer, Effie Yeaw.

424. **Salinas (Montery Co.), Calif.** (same area as 1945 and subsequent).—Dec. 27; 8 a.m. to 4 p.m. Overcast; temp. 50° to 68°; wind S, 15-25 m.p.h.; visibility good. Three observers in 1 party. Total party-hours, 21 (15 on foot, 6 by car); total party-miles, 77 (35 on foot, 42 by car). Common Loon, 2; Arctic Loon, 10; Red-throated Loon, 5; Red-necked Grebe, 1; Horned Grebe, 23; Eared Grebe, 27; Western Grebe, 216; Pied-billed Grebe, 8; Brown Pelican, 16; Double-crested Cormorant, 7; Brandt's Cormorant, 4; Great Blue Heron, 17; Am. Egret, 7; Snowy Egret, 6; **Black-crowned Night Heron,** 203; Am. Bittern, 2; Whistling Swan, 89; Mallard, 7; Pintail, 64; Green-winged Teal, 8; Cinnamon Teal, 2; Shoveller, 68; Canvas-back, 72; Lesser Scaup, 29; White-winged Scoter, 86; Surf Scoter, 59; Ruddy Duck, 96; Red-breasted Merganser, 3; White-tailed Kite, 6; Cooper's Hawk, 1; Red-tailed Hawk, 7; Marsh Hawk, 2; Sparrow Hawk, 34; California Quail, 4; Clapper Rail, 2; Virginia Rail, 1; Sora, 1; Florida Gallinule, 3; Am. Coot, 550; Snowy Plover, 13; Killdeer, 135; Black-bellied Plover, 10; Wilson's Snipe, 5; Long-billed Curlew, 6; Willet, 63; Greater Yellow-legs, 1; Least Sandpiper, 254; Red-backed Sandpiper, 270; Dowitcher, 17; Western Sandpiper, 204; Marbled Godwit, 71; Sanderling, 258; Am. Avocet, 17; Glaucous-winged Gull, 3; Western Gull, 16; Herring Gull, 8; California Gull, 4; Ring-billed Gull, 13; Short-billed Gull, 34; Bonaparte's Gull, 15; Heermann's Gull, 11; **Black-legged Kittiwake,** 1; Forster's Tern, 2; Mourning Dove, 1; Belted Kingfisher, 1; Red-shafted Flicker, 6; Acorn Woodpecker, 12; Downy Woodpecker, 1; Black Phoebe, 4; Say's Phoebe, 3; Horned Lark, 452; Rough-winged Swallow, 1; Scrub Jay, 16; Yellow-billed Magpie, 9; Am. Crow, 60; Chestnut-backed Chickadee, 6; Plain Titmouse, 10; Common Bushtit, 13; White-breasted Nuthatch, 5; Wren-tit, 2; Bewick's Wren, 1; Long-billed Marsh Wren, 12; Am. Robin, 51; Hermit Thrush, 1; Western Bluebird, 6; Ruby-crowned Kinglet, 9; Water Pipit, 53; Loggerhead Shrike, 5; Orange-crowned Warbler, 1; Myrtle Warbler, 3; Audubon's Warbler, 72; House Sparrow, 5; Western Meadowlark, 275; Red-winged Blackbird, 30; Tricolored Blackbird, 1; Brewer's Blackbird, 965; House Finch, 333; Am. Goldfinch, 27; Lesser Goldfinch, 1; Spotted Towhee, 1; Brown Towhee, 4; Savannah Sparrow, 7; Lark Sparrow, 6; Oregon Junco, 3; White-crowned Sparrow, 142; Golden-crowned Sparrow, 9; Song Sparrow, 8. **Total,** 107 species; 5812 individuals.—Charles Anderson (compiler), Viola Anderson, Wallace Wood, Jr.

**425. San Bernardino, Calif.** (same area as last year including also grape vineyards north of city; streamside willows 25%, ponds and cattail marshes 30%, deciduous woods 20%, chaparral 20%, town 5%).—Dec. 26; 9:10 a.m. to 4 p.m. Clear; temp. 58° to 81°; no wind; early rains made ground damp, water in streams. Five observers in 2 parties. Total party-hours, 13 (5 on foot, 8 by car); total party-miles, 25 (10 on foot, 15 by car). Great Blue Heron, 3; Am. Egret, 3; Green Heron, 1; Mallard, 10; Am. Widgeon, 34; Ring-necked Duck, 2; Canvas-back, 14; Ruddy Duck, 6; Red-tailed Hawk, 2; Red-shouldered Hawk, 2; Sparrow Hawk, 2; California Quail, 11; Am. Coot, 259; Killdeer, 3; Mourning Dove, 2; Spotted Dove, 3; Anna's Hummingbird, 1; Belted Kingfisher, 1; Red-shafted Flicker, 14; Black Phoebe, 17; Scrub Jay, 3; Common Bushtit, 44; Cactus Wren, 1; Canyon Wren, 1; Mockingbird, 9; Am. Robin, 4; Western Bluebird, 11; Mountain Bluebird, 21; Blue-gray Gnatcatcher, 5; Ruby-crowned Kinglet, 2; Cedar Waxwing, 21; Audubon's Warbler, 96; Common Yellowthroat, 1; House Sparrow, 7; Western Meadowlark, 51; Red-winged Blackbird, 39; House Finch, 46; Am. Goldfinch, 2; Lesser Goldfinch, 8; Spotted Towhee, 2; Brown Towhee, 11; White-crowned Sparrow, 19; Song Sparrow, 11. **Total,** 43 species; 805 individuals.—Mrs. George W. Cushing, Mildred L. Smith, Mrs. Glenn Vaughn, Leora Walker, Mrs. Ira Wissler.

**426. San Diego, Calif.** (San Diego to Sweetwater Reservoir).—Dec. 28; 7 a.m. to 5 p.m. Cloudy, with showers; average temp. 61°; wind 11 m.p.h. Five observers in 2 parties. Total hours afield, 10; total party-miles, 108 (6 by foot, 102 by car). Common Loon, 8; Arctic Loon, 5; Red-throated Loon, 5; Horned Grebe, 25; Eared Grebe, 250; Western Grebe, 325; Pied-billed Grebe, 6; Brown Pelican, 46; Double-crested Cormorant, 2000; Brandt's Cormorant, 2; Great Blue Heron, 3; Am. Egret, 47; Snowy Egret, 22; Black Brant, 600; Am. Widgeon, 225; Pintail, 75; Green-winged Teal, 26; Shoveller, 5; Canvas back, 2; Lesser Scaup, 8000; Buffle-head, 200; Surf Scoter, 10,000; Ruddy Duck, 6; Red-breasted Merganser, 40; Red-tailed Hawk, 2; Marsh Hawk, 1; Peregrine Falcon, 2; Pigeon Hawk, 1; Sparrow Hawk, 14; California Quail, 50; Clapper Rail, 10; Virginia Rail, 1; Am. Coot, 302; Snowy Plover, 20; Killdeer, 39; Black-bellied Plover, 301; Surf-bird, 32; Ruddy Turnstone, 1; Black Turnstone, 30; Long-billed Curlew, 10; Hudsonian Curlew, 4; Spotted Sandpiper, 3; Willet, 3540; Greater Yellow-legs, 10; Least Sandpiper, 225; Red-backed Sand-piper, 500; Dowitcher, 355; Western Sandpiper, 45; Marbled Godwit, 6000; Sanderling, 125; Am. Avocet, 152; Glaucous-winged Gull, 2; Western Gull, 4000; Herring Gull, 20; California Gull, 500; Ring-billed Gull, 7000; Bonaparte's Gull, 375; Heermann's Gull, 400; Forster's Tern, 125; Royal Tern, 18; Caspian Tern, 1; Mourning Dove, 157; Anna's Humming-bird, 1; Belted Kingfisher, 3; Red-shafted Flicker, 2; Acorn Woodpecker, 2; Black Phoebe, 6; Say's Phoebe, 2; Vermilion Flycatcher, 2; Horned Lark, 19; Scrub Jay, 4; Long-billed Marsh Wren, 5; Rock Wren, 1; Mockingbird, 12; California Thrasher, 4; Am. Robin, 15; Hermit Thrush, 2; Western Bluebird, 12; Mountain Bluebird, 27; Water Pipit, 2; Cedar Waxwing, 30; Loggerhead Shrike, 27; Orange-crowned Warbler, 2; Audubon's Warbler, 59; Common Yellow-throat, 7; House Sparrow, 13; Western Meadowlark, 49; Red-winged Blackbird, 2500; Brewer's Black-bird, 286; Brown-headed Cowbird, 40; Purple Finch, 16; House Finch, 260; Lesser Goldfinch, 6; Spotted Towhee, 1; Brown Towhee, 8; Savannah Sparrow, 175 (Savannah, 15; Belding's, 145; Large-billed, 15); Vesper Sparrow, 10; White-crowned Sparrow (Gambel's), 25; Fox Sparrow, 1; Lincoln's Sparrow, 2; Song Sparrow, 9. **Total,** 101 species, 49,943 individuals.—Laurence M. Huey, Charles F. Harbison, James Sams, Gordon Marsh, R. C. Frohling.

**427. San Francisco, Calif.** (same as 1950).—Dec. 23; 7:10 a.m. to 4:10 p.m. Foggy; temp. 42° to 48°; wind WSW to ESE, 3-6 m.p.h. Fifty-three observers in 12 parties. Total party-hours, 87 (72 on foot, 15 by car); total party-miles, 96 (64 on foot, 32 by car). Arctic Loon, 7; Red-throated Loon, 17; Red-necked Grebe, 3; Horned Grebe, 4; Eared Grebe, 77; Western Grebe, 64; Pied-billed Grebe, 52; Brown Pelican, 44; Double-crested Cormorant, 174; Brandt's Cormorant, 24; Great Blue Heron, 3; Am. Egret, 12; Green Heron, 1; Black-crowned Night Heron, 26; Canada Goose, 21 (including Hutchin's 1; Cackling, 2); Mallard, 837; Gadwall, 2; Am. Widgeon, 528; Pintail, 9; Shoveller, 19; Wood Duck, 4; Ring-necked Duck, 30; Canvas-back, 116; Lesser Scaup, 298; Am. Golden-eye, 3; Buffle-head, 9; White-winged Scoter, 60; Surf Scoter, 24; Ruddy Duck, 245; Am. Merganser, 1; Red-breasted Merganser, 11; Sharp-shinned Hawk, 2; Cooper's Hawk, 1; Red-tailed Hawk, 4; Sparrow Hawk, 27; California Quail, 98; Florida Gallinule, 1; Am. Coot, 908; Killdeer, 216; Black-bellied Plover, 11; Surf-bird, 10; Black Turnstone, 87; Wilson's Snipe, 12; Spotted Sand-piper, 4; Wandering Tattler, 1; Willet, 46; Red-backed Sandpiper, 60; Marbled Godwit, 1; Sander-ling, 192; Glaucous-winged Gull, 499; Western Gull, 746; Herring Gull, 65; California Gull, 2370; Ring-billed Gull, 290; Short-billed Gull, 574; Bonaparte's Gull, 98; Heermann's Gull, 31; unident. gulls, 1630; Forster's Tern, 1; Mourning Dove, 6; Anna's Hum-mingbird, 91; Belted Kingfisher, 3; Red-shafted Flick-er, 107; Acorn Woodpecker, 3; Yellow-bellied Sap-sucker (Red-breasted), 1; Hairy Woodpecker, 3; Downy Woodpecker, 6; Black Phoebe, 37; Horned Lark, 55; Steller's Jay, 2; Scrub Jay, 13; Common Raven, 2; Chestnut-backed Chickadee, 173; Plain Titmouse, 3; Common Bushtit, 176; White-breasted Nuthatch, 2; Red-breasted Nuthatch, 24; Brown Creeper, 12; Wren-tit, 13; Winter Wren, 3; Be-wick's Wren, 3; Long-billed Marsh Wren, 1; Am. Robin, 121; Varied Thrush, 37; Hermit Thrush, 34; Western Bluebird, 6; Golden-crowned Kinglet, 14; Ruby-crowned Kinglet, 84; Water Pipit, 6; Cedar Waxwing, 6; Loggerhead Shrike, 3; Hutton's Vireo, 9; Orange-crowned Warbler, 1; Myrtle Warbler, 1; Audubon's Warbler, 180; Townsend's Warbler, 22; Common Yellowthroat, 7; House Sparrow, 521;

Western Meadowlark, 32; Brewer's Blackbird, 824; Purple Finch, 33; House Finch, 260; Pine Siskin, 16; Am. Goldfinch, 1; Lesser Goldfinch, 19; Spotted Towhee, 26; Savannah Sparrow, 3; Oregon Junco, 550; White-crowned Sparrow, 1446; Golden-crowned Sparrow, 69; Fox Sparrow, 57; Song Sparrow, 110. **Total,** 111 species; 15,947 individuals.—H. C. Adamson, E. Austin, R. Beckett, A. Boles, S. Bozant, M. Browne, C. L. Carson, W. Cole, A. L. Curl, H. Curl, S. Dempster, C. H. Fox, J. T. Hedgpeth, R. Higgins, W. Johnson, G. T. Kilham, E. Kilham, J. Kirk, L. R. Leinbach, M. Leinbach, J. Matheson, J. L. Mathis, E. A. Mayers, A. H. Myer (compiler), G. Parsons, W. Parsons, D. Pavliger, H. G. Peterson, M. Peterson, F. Plymell, W. Pope, R. H. Pray, T. E. Reynolds, A. Rinehart, C. Sather, K. Schulz, F. A. Scott, D. Self, L. Smith, R. Smith, L. Stallcup, L. Stephens, B. W. Stone, F. Thirion, B. Tierney, G. Tierney, D. Twigg, E. Van Scyoc, M. Van Scyoc, D. Wadleigh, F. Walcott, R. Will, R. Wise (Golden Gate Audubon Society).

**428. San Joaquin Experimental Range (Madera Co.), Calif.** (7½-mile radius centering on Range road entrance on U.S. Highway 41; Blue Oak-Digger Pine association 80%, disturbed areas around dwellings and other buildings 20%).—Dec. 30; 7:45 a.m. to 5:15 p.m. Clear; temp. 26° to 48°; wind SW to NE, 0-4 m.p.h.; ground damp from rains previous 4 days. Two observers in 2 parties. Total party-hours, 13 (10 on foot, 3 by car); total party-miles, 15 (8 on foot, 7 by car). Sharp-shinned Hawk, 1; Red-tailed Hawk, 9; Sparrow Hawk, 1; California Quail, 228; Killdeer, 4; Red-shafted Flicker, 8; Acorn Woodpecker, 36; Lewis's Woodpecker, 1; Yellow-bellied Sapsucker, 2; Nuttall's Woodpecker, 1; Black Phoebe, 1; Say's Phoebe, 5; Scrub Jay, 48; Plain Titmouse, 25; Common Bushtit, 45; White-breasted Nuthatch, 6; Rock Wren, 2; Mockingbird, 1; Am. Robin, 1; Varied Thrush, 1; Western Bluebird, 8; Mountain Bluebird, 6; Ruby-crowned Kinglet, 7; Loggerhead Shrike, 1; Audubon's Warbler, 5; House Sparrow, 10; Western Meadowlark, 1; Brewer's Blackbird, 2; Purple Finch, 4; House Finch, 11; Lawrence's Goldfinch, 2; Spotted Towhee, 43; Brown Towhee, 25; Lark Sparrow, 24; Slate-colored Junco, 1; Oregon Junco, 343; White-crowned Sparrow, 160; Golden-crowned Sparrow, 18; Lincoln's Sparrow, 2. **Total,** 39 species; about 1099 individuals. (In the area Dec. 27: Horned Owl, Canyon Wren, Rufous-crowned Sparrow.)—Henry E. Childs, Jr., Richard F. Johnston.

**429. San Jose, Calif.** (7½-mile radius centering at Mabury Road and Capitol Ave. and including Alviso, Evergreen, Hall's Valley, and Calaveras Reservoir; salt marsh and mud flats 10%, fresh water marsh 10%, fresh water lake 10%, oak woodland 30%, deciduous orchard 20%, pasture and grassland 10%, city and suburbs 10%).—Dec. 30; 8 a.m. to 3:30 p.m. Equally with intermittent showers, hail, and snow flurries above 1000 ft. in Hall's Valley; temp. 30° to 50°; wind N to NW, up to 50 m.p.h. in violent gusts, highest tidal rise in many years at Alviso flooded all salt marsh and tide flat areas by 3 p.m. Twenty-six observers in 10 parties. Total party-hours, 75 (30 on foot, 45 by car); total party-miles, 262 (20 on foot, 240 by car). Eared Grebe, 10; Western Grebe, 1; Pied-billed Grebe, 1; Great Blue Heron, 11; Am. Egret, 106; Whistling Swan, 7; Canada Goose, 500 (±50); White-fronted Goose, 2; Snow Goose, 2; Mallard, 17; Pintail, 1000 (±100); Green-winged Teal, 17; Cinnamon Teal, 2; Shoveller, 3000 (±300); Wood Duck, 2; Ring-necked Duck, 68; Canvas-back, 2; Lesser Scaup, 16; Ruddy Duck, 750 (±50); White-tailed Kite, 12; Sharp-shinned Hawk, 1; Cooper's Hawk, 3; Red-tailed Hawk, 30; Rough-legged Hawk, 1; Golden Eagle, 4; Marsh Hawk, 15; Peregrine Falcon, 2; Sparrow Hawk, 46; California Quail, 142; Ring-necked Pheasant, 3; Sora, 1; Am. Coot, 4000 (±500); Killdeer, 500 (±50); Black-bellied Plover, 116; Wilson's Snipe, 26; Long-billed Curlew, 35; Hudsonian Curlew, 1; Willet, 300 (±50); Greater Yellow-legs, 4; Least Sandpiper, 500 (±50); Red-backed Sandpiper, 35; Dowitcher, 98; Western Sandpiper, 5000 (±500); Am. Avocet, 134; Glaucous-winged Gull, 17; Herring Gull, 6; California Gull, 110; Ring-billed Gull, 135; Short-billed Gull, 14; Bonaparte's Gull, 100; unidentified gulls (probably mostly California and Ring-billed), 3000 (±500); Forster's Tern, 1; Mourning Dove, 17; Barn Owl, 2; Screech Owl, 1; Burrowing Owl, 6; Short-eared Owl, 2; Anna's Hummingbird, 5; Belted Kingfisher, 3; Red-shafted Flicker, 78; Acorn Woodpecker, 12; Hairy Woodpecker, 2; Downy Woodpecker, 3; Nuttall's Woodpecker, 5; Black Phoebe, 21; Say's Phoebe, 4; Horned Lark, 38; **Tree Swallow,** 40; Steller's Jay, 21; Scrub Jay, 65; Yellow-billed Magpie, 79; Am. Crow, 65; Chestnut-backed Chickadee, 51; Plain Titmouse, 20; Common Bushtit, 105; White-breasted Nuthatch, 2; Brown Creeper, 1; Wren-tit, 5; Am. Dipper, 1; Bewick's Wren, 8; Long-billed Marsh Wren, 3; Rock Wren, 1; Mockingbird, 51; California Thrasher, 2; Am. Robin, 1000 (±100); Varied Thrush, 29; Hermit Thrush, 12; Western Bluebird, 91; Ruby-crowned Kinglet, 33; Water Pipit, 400 (±50); Cedar Waxwing, 125 (±25); Loggerhead Shrike, 32; Hutton's Vireo, 3; Myrtle Warbler, 4; Audubon's Warbler, 500 (±25); Townsend's Warbler, 1; Common Yellowthroat, 1; House Sparrow, 550 (±25); Western Meadowlark, 750 (±25); Red-winged Blackbird, 22; Brewer's Blackbird, 5500 (±500); **Evening Grosbeak,** 1 (coming to feeding tray since Dec. 21); Purple Finch, 10; House Finch, 1800 (±25); Pine Siskin, 12; Am. Goldfinch, 325 (±25); Lesser Goldfinch, 750 (±25); Spotted Towhee, 8; Brown Towhee, 125; Savannah Sparrow, 750 (±25); Lark Sparrow, 22; Rufous-crowned Sparrow, 2; Oregon Junco, 500 (±50); White-crowned Sparrow, 875 (±50); Golden-crowned Sparrow, 350 (±10; Lincoln's Sparrow, 10; Song Sparrow, 92. **Total,** 115 species; about 35,310 individuals.—Eva Allen, Mr. and Mrs. L. H. Brubaker, Don Burdick, Neil Dickinson, Bob Golden, Henri Hill, Elsie Hoeck, Janet Koppel, Anne Peterson, Jim Peterson, Mr. and Mrs. C. Prusman, Mr. and Mrs. M. L. Seibert, Charles Sibley (compiler), Les Sleeper, Emily Smith, Mr. and Mrs. I. W. Snow,

Stanley Thompson, Matt Vessel, Mr. and Mrs. H. Wittgenstein, Al Wool, Fanny Zwaal.

430. **Stockton, Calif.** (7½-mile radius centering north of Stockton at the junction of Woodbridge Road and Thornton Road; open fields 38%, riparian growth 17%, gun-club ponds and tule marshes 29%, Valley Oak woodland 9%, town suburbs and roadsides 7%).—Dec. 27; 7:30 a.m. to 5:30 p.m. Cloudy; temp. 38° to 56°; wind WNW 5-15 m.p.h.; ground wet from heavy rains. One observer. Total hours, 10; total miles, 59 (2 on foot, 57 by car). Pied-billed Grebe, 4; Great Blue Heron, 1; Am. Egret, 8; Black-crowned Night Heron, 2; Whistling Swan, 6; Canada Goose, 106; Mallard, 21; Pintail, 300 (est.); Green-winged Teal, 8; Shoveller, 25; Turkey Vulture, 1; White-tailed Kite, 4; Red-tailed Hawk, 4; Marsh Hawk, 22; Sparrow Hawk, 27; Ring-necked Pheasant, 4; Sandhill Crane, 250 (est.); Sora Rail, 9; Florida Gallinule, 1; Am. Coot, 500 (est.); Mountain Plover, 120; Killdeer, 57; Black-bellied Plover, 21; Long-billed Curlew, 16; Dowitcher, 37; Marbled Godwit, 3; California Gull, 300 (est.); Mourning Dove, 3; Barn Owl, 1; Red-shafted Flicker, 4; Acorn Woodpecker, 7; Yellow-bellied Sapsucker (Red-breasted), 1; Downy Woodpecker, 1; Black Phoebe, 7; Horned Lark, 2; Scrub Jay, 8; Am. Crow, 37; Plain Titmouse, 2; Mockingbird, 2; Am. Robin, 24; Western Bluebird, 1; Ruby-crowned Kinglet, 3; Water Pipit, 200 (est.); Cedar Waxwing, 45; Loggerhead Shrike, 3; Hutton's Vireo, 1; Audubon's Warbler, 58; Common Yellowthroat, 1; House Sparrow, 38; Western Meadowlark, 144; Red-winged Blackbird, 16; Brewer's Blackbird, 300 (est.); Purple Finch, 6; House Finch, 83; Am. Goldfinch, 11; Lesser Goldfinch, 9; Spotted Towhee, 1; Brown Towhee, 3; Oregon Junco, 46; White-crowned Sparrow, 22; Song Sparrow, 8. **Total,** 61 species; about 2955 individuals.—Herbert Wong.

431. **Topanga Canyon, Calif.** (7½-mile radius centering about Topanga and including ocean beach shores (rocky) 20%, hills 50%, city and suburban streets 20%, fields 10%, to Beverly Hills and small portion of Los Angeles).—Dec. 24; 8 a.m. to 5 p.m. Cloudy in a.m., clear in p.m.; temp. 50° to 60°; no wind. One observer, joined by W. Lee Chambers for short time. Total party-hours, 9 (5 on foot, 4 by car); total party-miles, 74 (10 on foot, 64 by car). Red-throated Loon, 2; Western Grebe, 99; Brown Pelican, 8; Double-crested Cormorant, 5; Green Heron, 1; Surf Scoter, 5; Red-breasted Merganser, 3; Red-tailed Hawk, 1; Sparrow Hawk, 6; Killdeer, 4; Black-bellied Plover, 2; Willet, 12; Marbled Godwit, 5; Sanderling, 4; Western Gull, 6; Herring Gull, 1; California Gull, 1; Ring-billed Gull, 3; Heermann's Gull, 16; Mourning Dove, 1; Red-shafted Flicker, 2; Acorn Woodpecker, 7; Downy Woodpecker, 1; Nuttall's Woodpecker, 3; Black Phoebe, 1; Say's Phoebe, 3; Scrub Jay, 3; Am. Crow, 1; Plain Titmouse, 2; Common Bushtit, 4; Wren-tit, 4; Mockingbird, 4; Am. Robin, 2; Hermit Thrush, 1; Western Bluebird, 2; Loggerhead Shrike, 1; Orange-crowned Warbler, 1; Audubon's Warbler, 5; House Sparrow, 3; Western Meadowlark, 9; Brewer's Blackbird, 50; House Finch, 9; Am. Goldfinch, 2; Spotted Towhee, 2; Brown Towhee, 6; Oregon Junco, 13; Gray-headed Junco, 1 (positively identified by W. Lee Chambers, Mrs. Chambers and E. R. G. at very close range); White-crowned Sparrow, 5. **Total,** 48 species; 332 individuals.—Earle R. Greene.

432. **Visalia, Calif.** (new area; 15-mile diameter, including Kaweah River, starting 3 miles east of Visalia on Highway 198, north to Ivanhoe, east to Woodlake, south to Exeter substation, west to starting point; level farmland 50%, deciduous woods 25%, butte-type hills 25%, lake area ½ square mile).—Dec. 28; 8 a.m. to 5 p.m. Cloudy, intermittent rain in p.m.; temp. 48° to 57°; wind S, 0-5 m.p.h. Six observers in 1-2 parties. Total party-hours, 12 (8 on foot, 4 by car); total party-miles, 36 (8 on foot, 28 by car). Pied-billed Grebe, 1; Great Blue Heron, 2; Am. Egret, 1; Turkey Vulture, 1; Cooper's Hawk, 5; Red-tailed Hawk, 1; Red-shouldered Hawk, 2; Sparrow Hawk, 9; California Quail, 30; Am. Coot, 16; Killdeer, 3; Mourning Dove, 42; Barn Owl, 1; Red-shafted Flicker, 15; Acorn Woodpecker, 17; Yellow-bellied Sapsucker, 2; Nuttall's Woodpecker, 4; Black Phoebe, 3; Say's Phoebe, 1; Scrub Jay, 75; Yellow-billed Magpie, 1; Am. Crow, 216; Plain Titmouse, 10; Common Bushtit, 140; White-breasted Nuthatch, 1; Wren-tit, 1; Mockingbird, 17; Am. Robin, 88; Western Bluebird, 20; Ruby-crowned Kinglet, 21; Water Pipit, 10; Cedar Waxwing, 56; Phainopepla, 1; Loggerhead Shrike, 2; Orange-crowned Warbler, 13; Audubon's Warbler, 19; House Sparrow, 1; Western Meadowlark, 39; Red-winged Blackbird, 78; Brewer's Blackbird, 2281 (1733 est., 548); Purple Finch, 48; House Finch, 3; Am. Goldfinch, 6; Spotted Towhee, 12; Brown Towhee, 9; Oregon Junco, 41; Chipping Sparrow, 1; White-crowned Sparrow, 85; Golden-crowned Sparrow, 50; Fox Sparrow, 2; Song Sparrow, 36. **Total,** 51 species; 3539 individuals.—Jerome Dobson, Mrs. Paul H. Fairbanks (compiler), W. C. Hill, Robert M. Hudson, James McCammon, Pablo Rodriguez.

433. **Yosemite National Park, Calif.** (same as last year; elevation 2000 ft. at El Portal, to 4000 ft. at Mirrow Lake).— Dec. 27; 7:30 a.m. to 5 p.m. Clear; temp. 40° to 72°; no wind; unseasonably warm weather provided excellent birding; area open save for small amounts of snow and ice at 4000 ft. Thirteen observers in 5 parties. Total party-hours, 37 (31 on foot, 6 by car); total party-miles, 61 (34 on foot, 27 by car). Am. Merganser, 3; Cooper's Hawk, 1; Red-tailed Hawk, 19; Golden Eagle, 1; **Bald Eagle,** 1; Peregrine Falcon, 1; Sparrow Hawk, 1; California Quail, 8; Mountain Quail, 12; Band-tailed Pigeon, 330+; Belted Kingfisher, 4; Red-shafted Flicker, 19; Pileated Woodpecker, 1; Acorn Woodpecker, 68; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 14; Downy Woodpecker, 5; Nuttall's Woodpecker, 1; White-headed Woodpecker, 3; Black Phoebe, 8; Steller's Jay, 235; Scrub Jay, 39; Mountain Chickadee, 35; Plain Titmouse, 31; Common Bushtit, 20; White-breasted Nuthatch, 4;

Red-breasted Nuthatch, 8; Brown Creeper, 44; Wrentit, 4; Am. Dipper, 8; House Wren, 1; Canyon Wren, 22; Mockingbird, 1; California Thrasher, 1; Am. Robin, 9; Varied Thrush, 6; Hermit Thrush, 2; Western Bluebird, 74; Mountain Bluebird, 1; Townsend's Solitaire, 1; Golden-crowned Kinglet, 135+; Ruby-crowned Kinglet, 48; Hutton's Vireo, 1; Audubon's Warbler, 1; House Sparrow, 23; Evening Grosbeak, 25; Purple Finch, 22; House Finch, 117; Pine Siskin, 108+; Lesser Goldfinch, 20; Spotted Towhee, 40; Brown Towhee, 63; Lark Sparrow, 200+; Rufous-crowned Sparrow, 2; Slate-colored Junco, 3; Oregon Junco, 140; **Gray-headed Junco,** 1 (studied at 6 to 10 ft. at Fitzpatrick feeding station, Dec. 26-29, in company with 3 Slate-colored and 20 Oregon Juncos); Golden-crowned Sparrow, 81; Song Sparrow, 1. **Total,** 59 species; about 2078 individuals.—Erma Fitzpatrick, Lillian Fitzpatrick, W. J. Fitzpatrick (compiler), N. B. Herkenham, Bona May McHenry, Bruce McHenry, L. D. Moore, Dana Morgenson, H. C. Parker, Marguerite Radigan, R. W. Russell, Mary Lou Sturm, Virginia Ann Sturm.

# Summary of Highest Counts of Individuals

## by Chandler S. Robbins

The total number of species reported from the United States, Canada and Alaska (excluding a few rarities not substantiated by sufficient details) was 433.

Only two species were added to the all-time list this year: the Rock Ptarmigan and Flammulated Owl. One of last year's additions, the Warbling Vireo, was found again this year—but at a different location.

California took the lead this year for the largest number of high counts, 89. Florida was a close second with 85. Texas dropped to 49, and Arizona was fourth again with 36. Coot Bay, Fla., had the distinction of reporting more high counts (or ties) than any other locality, with a total of 32. Laguna Atascosa Refuge in Texas and Los Angeles, Calif., were tied for second place with 28 each. Sabine National Wildlife Refuge in southwestern Louisiana was next with 15 entries.

No report was received from Manitoba or Nevada this year. Of the 51 other states, provinces and territories (Alaska), 43 are represented in the following list. Those which failed to reach top place on any species this year were Quebec, Saskatchewan, Vermont, Michigan, Indiana, Kentucky, Iowa and Idaho.

Common Loon, 114 (*R.I.*, Newport); Arctic Loon, 15 (*Wash.*, Orcas Island); Red-throated Loon, 40 (*N.J.*, Cape May); Red-necked Grebe, 91 (*Mass.*, Newburyport); Horned Grebe, 297 (*Mass.*, Newburyport); Eared Grebe, 97 (*Calif.*, Oakland); Least Grebe, 1 (*Tex.*, Laguna Atascosa); Western Grebe, 650 (*Wash.*, Orcas Island); Pied-billed Grebe, 119 (*La.*, St. Francisville); Fulmar, 1 (*Calif.*, Monterey); White Pelican, 671 (*Tex.*, Laguna Atascosa); Brown Pelican, 675 (*Fla.*, Coot Bay); Gannet, 166 (*N.C.*, Wilmington); European Cormorant, 230 (*R.I.*, South Kingston); Double-crested Cormorant, 2000 (*Calif.*, San Diego); Olivaceus Cormorant, 230 (*Tex.*, Laguna Atascosa); Brandt's Cormorant, 229 (*Calif.*, Monterey); Pelagic Cormorant, 23 (*Calif.*, Monterey); Water-turkey, 36 (*Fla.*, St. Marks); Man-o'-war-bird, 4 (*Fla.*, St. Petersburg and Lower Florida Keys).

Great White Heron, 161 (*Fla.*, Coot Bay); Great Blue Heron, 315 (*Fla.*, Coot Bay); Am. Egret, 1306 (*Fla.*, Coot Bay); Snowy Egret, 625 (*Fla.*, Coot Bay); Reddish Egret, 51 (*Tex.*, Laguna Atascosa); Louisiana Heron, 859 (*Fla.*, Coot Bay); Little Blue Heron, 694 (*Fla.*, Coot Bay); Green Heron, 27 (*Fla.*, Monroe and Coot Bay); Black-crowned Night Heron, 203 (*Calif.*, Salinas); Yellow-crowned Night Heron, 47 (*Fla.*, Coot Bay); Am. Bittern, 7 (*La.*, Sabine); Wood Ibis, 335 (*Fla.*, Coot Bay); Glossy Ibis, 5 (*Fla.*, Audubon); White-faced Ibis, 68 (*La.*, Sabine); White Ibis, 1990 (*Fla.*, Monroe).

Mute Swan, 29 (*L.I.*, Southern Nassau); Whistling Swan, 4940 (*Md.*, Susquehanna); Canada Goose, 24,837 (*Ill.*, Carterville); Am. Brant, 1370 (*Md.*, Ocean City); Black Brant, 13,500 (*Calif.*, Morro Bay); White-fronted Goose, 8000 (*Okla.*, Salt Plains); Snow Goose, 32,000 (*La.*, Sabine); Blue Goose, 32,000 (*La.*, Sabine); Ross's Goose, 2 (*Calif.*, Sacramento); Mallard, 30,000 (*Mo.*, Squaw Creek); Black Duck, 12,792 (*Del.*, Bombay Hook); Mottled Duck, 50 (*La.*, Sabine); Gadwall, 2000 (*La.*, Sabine); European Widgeon, 3 (*N.Y.*, Western Long Island); Am. Widgeon, 40,000 (*Va.*, Back Bay); Pintail 112,671 (*Tex.*, Laguna Atascosa); Green-winged Teal, 4121 (*Ariz.*, Havasu Lake); Blue-winged Teal, 184 (*Fla.*, Audubon); Cinnamon Teal, 8 (*Utah*, Salt Lake City); Shoveller, 3000 (*Calif.*, San Jose); Wood Duck, 61 (*Ga.*, Sherwood); Redhead, 40,000 (*Va.*, Back Bay); Ring-necked Duck, 500 (*Va.*, Back Bay); Canvas-back, 9562 (*N.Y.*, Buffalo); Greater Scaup, 34,459 (*Conn.*, Westport); Lesser Scaup, 8000 (*Calif.*, San Diego); Am. Golden-eye, 2537 (*N.Y.*, Buffalo); Barrow's Golden-eye, 1 (*Me.*, Brunswick, Wells; *N.H.*, Pittsburg, Laconia; *Mass.*, Lynn; *R.I.*, S. Kingston; *Wash.*,

Seattle); Buffle-head, 658 (*Mass.*, Newburyport); Old-squaw, 17,669 (*Ill.*, Chicago); Harlequin Duck, 4 (*Wash.*, Orcas Island); Common Eider, 500,000 (*Mass.*, Monomoy); King Eider, 1 (*N.J.*, Barnegat); White-winged Scoter, 12,000 (*Mass.*, Monomoy); Surf Scoter, 10,000 (*Calif.*, San Diego); Am. Scoter, 402 (*L.I.*, Montauk); Ruddy Duck, 11,445 (*Calif.*, Oakland); Hooded Merganser, 36 (*L.I.*, Southern Nassau); Am. Merganser, 32,856 (*Ill.*, Chicago); Red-breasted Merganser, 1685 (*Ill.*, Chicago).

Turkey Vulture, 616 (*Md.*, Ocean City); Black Vulture, 261 (*Miss.*, Moon Lake); White-tailed Kite, 12 (*Calif.*, San Jose); Goshawk, 4 (*Utah*, Salt Lake City); Sharp-shinned Hawk, 9 (*Utah*, Salt Lake City); Cooper's Hawk, 8 (*Calif.*, Los Angeles); Red-tailed Hawk, 118 (*Kans.*, Lawrence); Harlan's Hawk, 7 (*Kans.*, Lawrence); Red-shouldered Hawk, 41 (*Fla.*, Monroe); Broad-winged Hawk, 4 (*Fla.*, Coot Bay); Swainson's Hawk, 2 (*Tex.*, El Paso and Houston); White-tailed Hawk, 6 (*Tex.*, Laguna Atacosa); Short-tailed Hawk, 2 (*Fla.*, Coot Bay); Rough-legged Hawk, 15 (*Utah*, Bear River); Ferruginous Hawk, 4 (*Utah*, Bear River); Harris's Hawk, 28 (*Ariz.*, Havasu Lake); Golden Eagle, 10 (*Okla.*, Salt Plains; *Wyo.*, Casper); Bald Eagle, 31 (*Fla.*, Coot Bay); Marsh Hawk, 134 (*La.*, Sabine); Osprey, 82 (*Fla.*, Coot Bay); Audubon's Caracara, 25 (*Tex.*, Laguna Atascosa); Gyrfalcon, 1 (*Ont.*, Barrie and Toronto); Prairie Falcon, 2 (*N.Dak.*, Bismarck; *Kans.*, Hays; *Utah*, Salt Lake City); Peregrine Falcon, 6 (*Tex.*, Laguna Atascosa); Pigeon Hawk, 4 (*Fla.*, Coot Bay; *Oreg.*, Eugene); Sparrow Hawk, 120 (*La.*, Sabine).

Blue Grouse, 1 (*Oreg.*, Eugene); Ruffed Grouse, 15 (*Mass.*, Ware); Rock Ptarmigan, 16 (*Alaska*, College); Greater Prairie Chicken, 4 (*S.Dak.*, Pierre); Sharp-tailed Grouse, 852 (*S.Dak.*, Pierre); Sage Hen, 30 (*Wyo.*, Casper); European Partridge, 80 (*Wis.*, Waukesha); Bob-white, 151 (*Ohio*, Ashland); Scaled Quail, 151 (*Tex.*, El Paso); California Quail, 804 (*Utah*, Salt Lake City); Gambel's Quail, 173 (*N.Mex.*, Bosque del Apache); Mountain Quail, 30 (*Oreg.*, Klamath Falls); Ring-necked Pheasant, 844 (*Utah*, Salt Lake City); Turkey, 3 (*Ga.*, Sherwood); Sandhill Crane, 11,635 (*N.Mex.*, Bitter Lake); Limpkin, 10 (*Fla.*, St. Marks); King Rail, 10 (*La.*, Sabine); Clapper Rail, 33 (*N.J.*, Cape May); Virginia Rail, 58 (*Md.*, Southern Dorchester Co.); Sora, 5 (*Fla.*, Paradise Key); Black Rail, 2 (*Calif.*, Oceanside); Purple Gallinule, 7 (*Fla.*, Paradise Key); Florida Gallinule, 35 (*Fla.*, St. Petersburg); Am. Coot, 20,000 (*Fla.*, Coot Bay).

Am. Oyster-catcher, 61 (*S.C.*, Charleston); Black Oyster-catcher, 16 (*Calif.*, Monterey); Piping Plover, 350 (*Fla.*, St. Petersburg); Snowy Plover, 24 (*Calif.*, Oceanside; *Fla.*, Panacea); Ringed Plover, 475 (*Fla.*, St. Petersburg); Wilson's Plover, 70 (*Fla.*, St. Petersburg); Mountain Plover, 120 (*Calif.*, Stockton); Killdeer, 540 (*Calif.*, Marysville); Black-bellied Plover, 854 (*Calif.*, Los Angeles); Surfbird, 36 (*Calif.*, Los Angeles); Ruddy Turnstone, 399 (*Fla.*, St. Petersburg); Black Turnstone, 87 (*Calif.*, San Francisco); Am. Woodcock, 5 (*Ga.*, Macon); Wilson's Snipe, 215 (*Ark.*, Lonoke); Long-billed Curlew, 464 (*Tex.*, Laguna Atascosa); Hudsonian Curlew, 9 (*Calif.*, Los Angeles); Spotted Sandpiper, 59 (*Fla.*, Coot Bay); Solitary Sandpiper, 3 (*Fla.*, St. Petersburg); Wandering Tattler, 1 (*Calif.*, Orange Co., coastal; San Francisco); Willet, 6623 (*Calif.*, Los Angeles); Greater Yellow-legs, 190 (*Tex.*, Rockport); Lesser Yellow-legs, 535 (*Fla.*, Coot Bay); Red Knot, 160 (*Fla.*, Daytona Beach); Purple Sandpiper, 110 (*L.I.*, Southern Nassau Co.); Least Sandpiper, 117 (*Fla.*, St. Petersburg); Red-backed Sandpiper, 4000 (*N.J.*, Cape May); Dowitcher, 1222 (*Tex.*, Houston); Stilt Sandpiper, 4 (*Tex.*, Laguna Atascosa); Semipalmated Sandpiper, 825 (*Fla.*, St. Petersburg); Western Sandpiper, 7465 (*Calif.*, Oakland); Marbled Godwit, 6000 (*Calif.*, San Diego); Sanderling, 1052 (*Calif.*, Oakland); Am. Avocet, 5000 (*Calif.*, Oakland); Black-necked Stilt, 5 (*Calif.*, Los Angeles); Northern Phalarope, 14 (*Fla.*, Audubon).

Glaucous Gull, 5 (*Ont.*, Toronto); Iceland Gull, 2 (*Mass.*, Cape Ann); Glaucous-winged Gull, 4457 (*Calif.*, Oakland); Great Black-backed Gull, 736 (*N.J.*, Long Branch); Western Gull, 4000 (*Calif.*, San Diego); Herring Gull, 19,912 (*L.I.*, Western Long Island); California Gull, 3762 (*Calif.*, Los Angeles); Ring-billed Gull, 7000 (*Calif.*, San Diego); Short-billed Gull, 1231 (*Oreg.*, Portland); Black-headed Gull, 2 (*N.Y.*, Manhattan); Laughing Gull, 2500 (*Tex.*, Houston); Bonaparte's Gull, 2107 (*Calif.*, Los Angeles); Little Gull, 1 (*Mass.*, Cape Cod); Heermann's Gull, 400 (*Calif.*, San Diego); Black-legged Kittiwake, 46 (*Mass.*, Newburyport); Gull-billed Tern, 58 (*Tex.*, Laguna Atascosa); Forster's Tern, 125 (*Calif.*, San Diego); Common Tern, 10 (*Fla.*, St. Petersburg; *Calif.*, Orange Co., coastal); Royal Tern, 509 (*Fla.*, St. Petersburg); Cabot's Tern, 204 (*Fla.*, St. Petersburg); Caspian Tern, 325 (*Fla.*, Coot Bay); Black Skimmer, 3125 (*Fla.*, Daytona Beach); Razor-billed Auk, 84 (*Me.*, Bristol); Common Murre, 4 (*Wash.*, Orcas Island); Brünnich's Murre, 1 (*Mass.*, Cape Cod); Dovekie, 7 (*Mass.*, Cape Ann); Black Guillemot, 11 (*Me.*, Mount Desert); Pigeon Guillemot, 21 (*Wash.*, Orcas Island); Marbled Murrelet, 4 (*Wash.*, Orcas Island); Ancient Murrelet, 4 (*Calif.*, Monterey); Rhinocerous Auklet, 2 (*Calif.*, Monterey); Atlantic Puffin, 1 (*Mass.*, Cape Cod).

Band-tailed Pigeon, 330 (*Calif.*, Yosemite); Mourning Dove, 640 (*Ariz.*, Tucson); Spotted Dove, 241 (*Calif.*, Los Angeles); Ringed Turtle Dove, 139 (*Calif.*, Los Angeles); White-winged Dove, 1 (*Fla.*, Monroe); Ground Dove, 58 (*Fla.*, St. Petersburg); Inca Dove, 71 (*Ariz.*, Tucson); White-fronted Dove, 1 (*Tex.*, Laguna Atascosa); Road-runner, 9 (*N.Mex.*, Bosque del Apache); Barn Owl, 9 (*Del.*, Bombay Hook); Screech Owl, 12 (*N.Y.*, Rochester); Flammulated Owl, 1 (*Wash.*, Spokane); Horned Owl, 17 (*Kans.*, Lawrence); Snowy Owl, 5 (*N.Dak.*, Des Lacs); Pygmy Owl, 1 (*Oreg.*, Klamath Falls); Burrowing Owl, 18 (*Fla.*, Miami); Barred Owl, 12 (*La.*, St. Francisville); Long-eared Owl, 9 (*Ont.*, Toronto); Short-eared Owl, 27 (*Utah*, Ogden); Saw-whet Owl, 2 (*Pa.*, Glenolden; *Calif.*, Marysville).

Whip-poor-will, 2 (*Fla.*, Miami); Paraque, 5

(*Tex.*, Laguna Atascosa); White-throated Swift, 36 (*Calif.*, Morro Bay); Ruby-throated Hummingbird, 7 (*Fla.*, Miami); Black-chinned Hummingbird, 1 (*Calif.*, Los Angeles and Orange Co., northeastern); Anna's Hummingbird, 125 (*Calif.*, Los Angeles); Belted Kingfisher, 124 (*Fla.*, Monroe); Green Kingfisher, 3 (*Tex.*, Del Rio and Laguna Atascosa).

Yellow-shafted Flicker, 179 (*Tenn.*, Memphis); Red-shafted Flicker, 181 (*Oreg.*, Portland); Gilded Flicker, 17 (*Ariz.*, Tucson); Pileated Woodpecker, 22 (*Fla.*, St. Marks); Red-bellied Woodpecker, 96 (*Ill.*, Pere Marquette); Golden-fronted Woodpecker, 25 (*Tex.*, Laguna Atascosa); Gila Woodpecker, 56 (*Ariz.*, Santa Catalina); Red-headed Woodpecker, 353 (*Ill.*, Pere Marquette); Acorn Woodpecker, 68 (*Calif.*, Yosemite); Lewis's Woodpecker, 11 (*Colo.*, Denver); Yellow-bellied Sapsucker, 18 (*La.*, St. Francisville); Williamson's Sapsucker, 1 (*Calif.*, Big Bear Lake and Orange Co., northeastern; *Ariz.*, Santa Catalina); Hairy Woodpecker, 69 (*Conn.*, Westport); Downy Woodpecker, 284 (*Ohio*, Cincinnati); Ladder-backed Woodpecker, 15 (*Tex.*, Laguna Atascosa); Nuttall's Woodpecker, 8 (*Calif.*, Sacramento); Arizona Woodpecker, 4 (*Ariz.*, Santa Catalina); Red-cockaded Woodpecker, 17 (*N.C.*, Wilmington); White-headed Woodpecker, 4 (*Calif.*, Big Bear Lake); Arctic Woodpecker, 1 (*Ont.*, Toronto; *Minn.*, Nisswa).

Tropical Kingbird, 5 (*Tex.*, Laguna Atascosa); Western Kingbird, 3 (*Calif.*, Oceanside); Derby Flycatcher, 5 (*Tex.*, Laguna Atascosa); Crested Flycatcher, 46 (*Fla.*, Coot Bay); Ash-throated Flycatcher, 4 (*Ariz.*, Havasu Lake); Eastern Phoebe, 58 (*Fla.*, St. Marks); Black Phoebe, 128 (*Calif.*, Los Angeles); Say's Phoebe, 32 (*Ariz.*, Tucson); Gray Flycatcher, 1 (*Ariz.*, Parker); Western Flycatcher, 1 (*Calif.*, Pasadena; *Ariz.*, Tucson); Vermilion Flycatcher, 8 (*Ariz.*, Havasu Lake); Beardless Flycatcher, 1 (*Ariz.*, Tucson); Horned Lark, 1015 (*Calif.*, Fresno); Tree Swallow, 1200 (*Fla.*, St. Marks); Rough-winged Swallow, 50 (*La.*, St. Francisville); Barn Swallow, 1 (*Fla.*, St. Marks); Cliff Swallow, 1 (*Fla.*, Jacksonville).

Gray Jay, 9 (*Colo.*, Idaho Springs); Blue Jay, 404 (*Tenn.*, Memphis); Steller's Jay, 235 (*Calif.*, Yosemite); Scrub Jay, 302 (*Calif.*, Los Angeles); Arizona Jay, 69 (*Ariz.*, Santa Catalina); Green Jay, 12 (*Tex.*, Laguna Atascosa); Am. Magpie, 175 (*Wyo.*, Casper); Yellow-billed Magpie, 330 (*Calif.*, Sacramento); Common Raven, 31 (*Alaska*, College); White-necked Raven, 1000 (*Tex.*, Carrizo Springs); Am. Crow, 8153 (*W.Va.*, Huntington); Northwestern Crow, 150 (*Wash.*, Seattle); Fish Crow, 450 (*Fla.*, Jacksonville); Piñon Jay, 488 (*Colo.*, Lyons); Clark's Nutcracker, 8 (*Colo.*, Idaho Springs).

Black-capped Chickadee, 732 (*Conn.*, Westport); Carolina Chickadee, 872 (*Ohio*, Cincinnati); Mountain Chickadee, 65 (*Calif.*, Pasadena); Brown-capped Chickadee, 14 (*Ont.*, Port Arthur); Chestnut-backed Chickadee, 173 (*Calif.*, San Francisco); Tufted Titmouse, 651 (*Ohio*, Cincinnati); Black-crested Titmouse, 37 (*Tex.*, Big Bend); Plain Titmouse, 59 (*Calif.*, Oakland); Bridled Titmouse, 2 (*Ariz.*, Santa Catalina); Verdin, 33 (*Ariz.*, Santa Catalina); Common Bushtit, 653 (*Calif.*, Los Angeles); White-breasted Nuthatch, 231 (*Conn.*, Westport); Red-breasted Nuthatch, 49 (*Wash.*, Spokane); Brown-headed Nuthatch, 103 (*Md.*, Southern Dorchester Co.); Pygmy Nuthatch, 125 (*Wash.*, Spokane); Brown Creeper, 53 (*Nebr.*, Lincoln Parks).

Wren-tit, 268 (*Calif.*, Los Angeles); Am. Dipper, 8 (*Calif.*, Yosemite); House Wren, 60 (*Fla.*, Coot Bay); Winter Wren, 29 (*La.*, St. Francisville); Bewick's Wren, 32 (*Oreg.*, Portland); Carolina Wren, 194 (*Ohio*, Cincinnati); Cactus Wren, 32 (*Ariz.*, Tucson); Long-billed Marsh Wren, 30 (*Va.*, Back Bay); Short-billed Marsh Wren, 164 (*Md.*, Southern Dorchester Co.); Cañon Wren, 22 (*Calif.*, Yosemite); Rock Wren, 7 (*Ariz.*, Santa Catalina); Mockingbird, 399 (*Calif.*, Los Angeles); Catbird, 33 (*Fla.*, Paradise Key); Brown Thrasher, 80 (*La.*, St. Francisville); Sennett's Thrasher, 21 (*Tex.*, Laguna Atascosa); Bendire's Thrasher, 5 (*Ariz.*, Tucson); Curve-billed Thrasher, 43 (*Ariz.*, Tucson); California Thrasher, 104 (*Calif.*, Los Angeles); Crissal Thrasher, 9 (*Ariz.*, Parker); Sage Thrasher, 10 (*Tex.*, Laguna Atascosa).

Am. Robin, 3316 (*Calif.*, Los Angeles); Varied Thrush, 79 (*Oreg.*, Portland); Wood Thrush, 1 (*Md.*, Ocean City); Hermit Thrush, 110 (*Calif.*, Los Angeles); Olive-backed Thrush, 1 (*L.I.*, Southern Nassau Co.); Eastern Bluebird, 220 (*Ga.*, Sherwood); Western Bluebird, 354 (*Calif.*, Oceanside); Mountain Bluebird, 165 (*Tex.*, Big Spring); Townsend's Solitaire, 34 (*Colo.*, Denver); Blue-gray Gnatcatcher, 137 (*Fla.*, Coot Bay); Black-tailed Gnatcatcher, 13 (*Ariz.*, Havasu Lake); Golden-crowned Kinglet, 220 (*Oreg.*, Portland); Ruby-crowned Kinglet, 260 (*La.*, St. Francisville); Water Pipit, 605 (*La.*, St. Francisville); Sprague's Pipit, 32 (*Utah*, Salt Lake City); Bohemian Waxwing, 2447 (*Wash.*, Spokane); Cedar Waxwing, 492 (*Fla.*, Pensacola); Phainopepla, 56 (*Ariz.*, Parker); Gray Shrike, 3 (*N.Dak.*, Bismarck); Loggerhead Shrike, 324 (*La.*, Sabine); Common Starling, 82,000 (*N.Y.*, Manhattan).

White-eyed Vireo, 17 (*Tex.*, Laguna Atascosa); Hutton's Vireo, 17 (*Calif.*, Pasadena); Yellow-throated Vireo, 1 (*Fla.*, Miami and Paradise Key); Solitary Vireo, 10 (*Fla.*, St. Marks); Warbling Vireo, 1 (*Calif.*, Oakland); Black and White Warbler, 21 (*Fla.*, Jacksonville); Orange-crowned Warbler, 31 (*La.*, St. Francisville); Nashville Warbler, 1 (*Tex.*, Rockport); Parula Warbler, 4 (*Fla.*, Coot Bay); Olive Warbler, 1 (*Ariz.*, Santa Catalina); Myrtle Warbler, 4000 (*N.J.*, Cape May); Audubon's Warbler, 2145 (*Calif.*, Los Angeles); Black-throated Gray Warbler, 1 (*Calif.*, Pasadena and Sacramento); Townsend's Warbler, 22 (*Calif.*, San Francisco); Yellow-throated Warbler, 23 (*Fla.*, St. Petersburg); Pine Warbler, 190 (*Ga.*, Sherwood); Prairie Warbler, 18 (*Fla.*, Miami and Coot Bay); Palm Warbler, 150 (*Fla.*, Coot Bay); Oven-bird, 1 (*Fla.*, Miami); Northern Water-thrush, 1 (*Fla.*, Miami); Common Yellowthroat, 83 (*Fla.*, Coot Bay); Yellow-breasted Chat, 1 (*L.I.*, Orient); Black-capped Warbler, 1 (*Calif.*, Los Angeles); Am. Redstart, 1 (*Fla.*, Coot Bay).

House Sparrow, 26,000 (*N.Mex.*, Bitter Lake); European Tree Sparrow, 36 (*Ill.*, E. St. Louis); Eastern Meadowlark, 2258 (*Md.*, Ocean City); Western Meadowlark, 1414 (*Calif.*, Marysville); Yellow-headed Blackbird, 2897 (*Ariz.*, Tucson); Red-winged Blackbird, 2,040,000 (*Tenn.*, Reelfoot Lake); Tricolored Blackbird, 2 (*Calif.*, Los Angeles); Orchard Oriole, 1 (*Tex.*, Rockport); Audubon's Oriole, 2 (*Tex.*, Laguna Atascosa); Baltimore Oriole, 2 (*N.C.*, Chapel Hill); Bullock's Oriole, 1 (*Mass.*, Northampton); Rusty Blackbird, 800 (*Ala.*, Birmingham); Brewer's Blackbird, 13,210 (*Utah*, Salt Lake City); Boat-tailed Grackle, 2000 (*La.*, Sabine); Purple Grackle, 100,000 (*Md.*, Susquehanna); Brown-headed Cowbird, 75,081 (*Del.*, Middletown); Bronzed Cowbird, 12 (*Tex.*, Laguna Atascosa).

Cardinal, 1323 (*Ohio*, Cincinnati); Pyrrhuloxia, 34 (*Ariz.*, Tucson); Black-headed Grosbeak, 1 (*Calif.*, Los Angeles); Painted Bunting, 20 (*Fla.*, Miami); Dickcissel, 1 (*Mass.*, Lynn, Ware; *Conn.*, Westport; *N.Y.*, Port Chester); Evening Grosbeak, 416 (*Mass.*, Northampton); Purple Finch, 422 (*Oreg.*, Portland); Cassin's Finch, 38 (*Colo.*, Lyons); House Finch, 2860 (*Calif.*, Los Angeles); Pine Grosbeak, 114 (*Mass.*, Newburyport); Gray-crowned Rosy Finch, 108 (*Wyo.*, Casper); Black Rosy Finch, 100 (*Mont.*, Bozeman); Common Redpoll, 309 (*Alaska*, College); Pine Siskin, 715 (*Oreg.*, Portland); Am. Goldfinch, 1607 (*Md.*, Ocean City); Lesser Goldfinch, 750 (*Calif.*, San Jose); Lawrence's Goldfinch, 53 (*Ariz.*, Tucson); Red Crossbill, 81 (*Wash.*, Spokane); White-winged Crossbill, 12 (*Me.*, Brunswick).

Texas Sparrow, 25 (*Tex.*, Laguna Atascosa); Green-tailed Towhee, 3 (*Tex.*, El Paso; *Colo.*, Colorado Springs; *Ariz.*, Santa Catalina); Eastern Towhee, 305 (*N.J.*, Cape May); Spotted Towhee, 131 (*Oreg.*, Portland); Brown Towhee, 720 (*Calif.*, Los Angeles); Abert's Towhee, 30 (*Ariz.*, Parker); Lark Bunting, 139 (*Tex.*, Midland); Ipswich Sparrow, 8 (*N.J.*, Cape May); Savannah Sparrow, 1055 (*Tex.*, Rockport); Grasshopper Sparrow, 12 (*Tex.*, Rockport; *Calif.*, Los Angeles); Baird's Sparrow, 6 (*Tex.*, El Paso); Leconte's Sparrow, 16 (*La.*, Sabine); Henslow's Sparrow, 7 (*S.C.*, Charleston); Sharp-tailed Sparrow, 33 (*N.J.*, Cape May); Seaside Sparrow, 68 (*La.*, Sabine); Dusky Sparrow, 6 (*Fla.*, Titusville); Vesper Sparrow, 80 (*Tex.*, Rockport); Lark Sparrow, 200 (*Calif.*, Yosemite); Rufous-crowned Sparrow 40 (*Ariz.*, Santa Catalina); Pinewoods Sparrow, 5 (*Fla.*, Cedar Key); Black-throated Sparrow, 21 (*Tex.*, Big Bend); Sage Sparrow, 7 (*Ariz.*, Havasu Lake); White-winged Sparrow, 10 (*Colo.*, Denver); Slate-colored Junco, 1834 (*N.C.*, Greensboro); Oregon Junco, 2030 (*Oreg.*, Portland); Gray-headed Junco, 253 (*Colo.*, Colorado Springs); Arizona Junco, 6 (*Ariz.*, Santa Catalina); Am. Tree Sparrow, 1561 (*Kans.*, Lawrence); Chipping Sparrow, 199 (*Calif.*, Los Angeles); Brewer's Sparrow, 149 (*Ariz.*, Parker); Field Sparrow, 812 (*N.C.*, Greensboro); Black-chinned Sparrow, 10 (*Ariz.*, Santa Catalina); Harris's Sparrow, 495 (*Kans.*, Halstead); White-crowned Sparrow, 2501 (*Ariz.*, Parker); Golden-crowned Sparrow, 350 (*Calif.*, San Jose); White-throated Sparrow, 1333 (*Tenn.*, Memphis); Fox Sparrow, 113 (*Tenn.*, Memphis); Lincoln's Sparrow, 54 (*Tex.*, Houston); Swamp Sparrow, 534 (*Md.*, Southern Dorchester Co.); Song Sparrow, 739 (*Oreg.*, Portland); Lapland Longspur, 608 (*Kans.*, Lawrence); Smith's Longspur, 15 (*Ark.*, Lonoke); Chestnut-collared Longspur, 50 (*Kans.*, Stillwater); Snow Bunting, 508 (*Ont.*, Toronto).

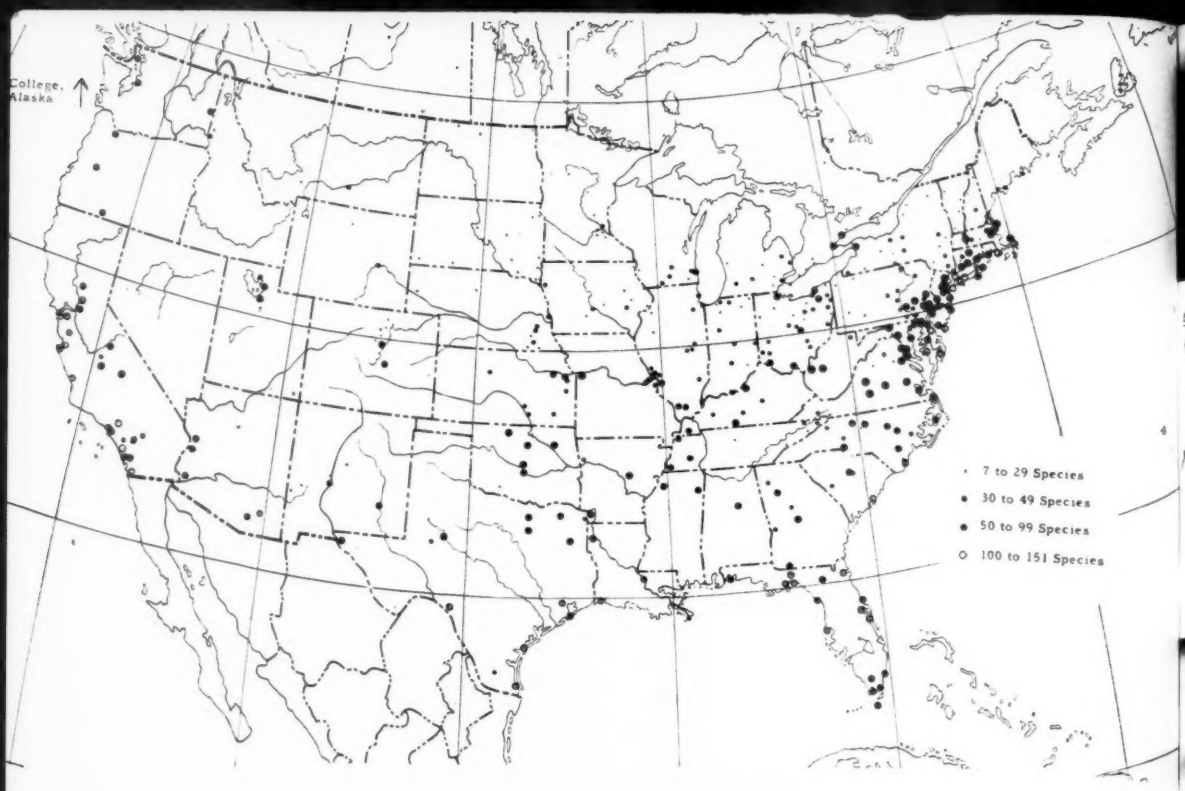
**Next Year's CHRISTMAS COUNT DATES**
**December 20-28, 1952**

# *Cooperative Study of Night Migration*
## *Fall of 1952*

Do you have access to a small telescope? If so, your help is urgently needed in a cooperative effort this fall to solve some of the many mysteries surrounding nocturnal bird migration over the North American continent.

The method to be applied is one developed at Louisiana State University and used with great success by George H. Lowery, Jr., in a study of spring migration ("A Quantitative Study of the Nocturnal Migration of Birds," University of Kansas Publications, Museum of Natural History, vol. 3, no. 2, pp. 361-472). Telescopes of the type frequently owned by ornithologists are used to obtain counts, at various times and places, of birds passing before the disc of the moon. These counts are mathematically corrected to take into account the changing size of the field of observation, and the directional trends of the flight are computed. Such data have been the means of discovering many unexpected things about migration, and they offer an opportunity of discovering many more. But a great many observations from a great many stations are necessary before we can arrive at hard and fast answers to migration problems.

Contributors to *Audubon Field Notes,* because of their close associations with problems of bird distribution, are in a position to obtain telescopic observations of maximum significance. The field procedure is a simple one that can be mastered in a matter of minutes. Interested persons may obtain full details concerning this fall's moon-watching project by writing to Robert J. Newman at the Museum of Zoology, Louisiana State University, Baton Rouge, La. Data obtained will be made available to Regional Editors of *Audubon Field Notes* for use in the preparation of the Fall Season Reports.




**Distribution of the Fifty-second Christmas Bird Count.**

**by Lois M. Horn**

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